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SEPTEMBER 12, 1914.

Subscription, 10s. per annum, including Diary.
Free the World over. Single Copies, 6d. each.
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Wood's Ovals
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8 oz. 6/3; 10 oz. 7/4;
12 oz. 8/10; 16 oz. 11/4;
20 oz. 13/9; 24 oz. 16/6;
32 oz. 21/6

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Allen & Hanburys
LONDON. Ltd.



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Manufactured at
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32 oz. 21/6

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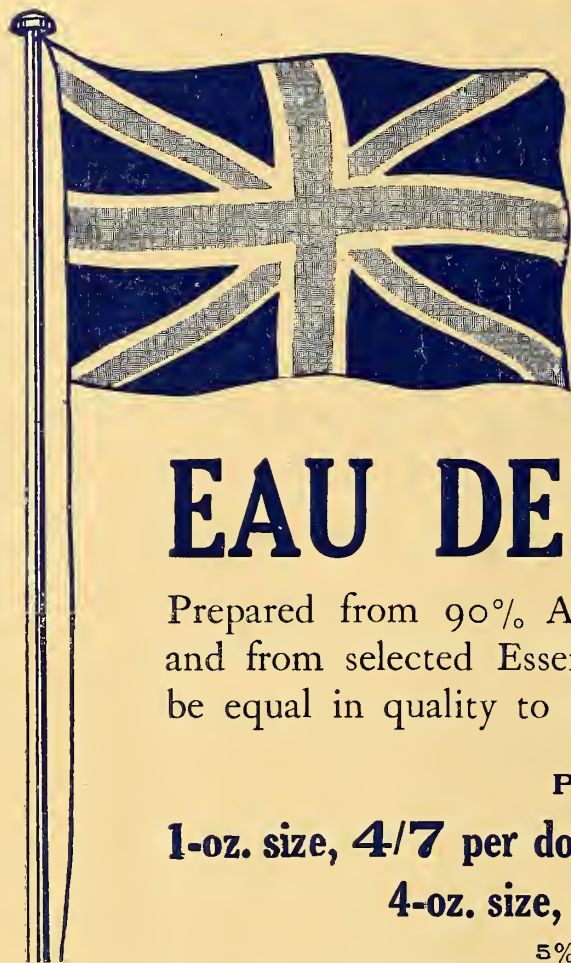
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No. 4023 CITY.

SEPTEMBER 12, 1914.

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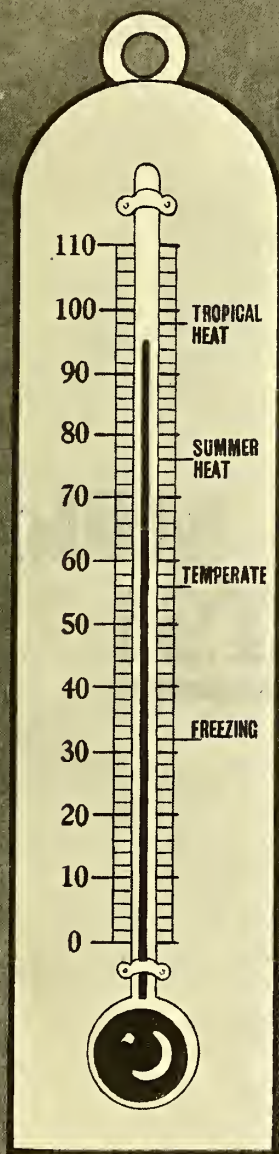
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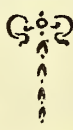
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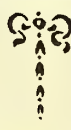
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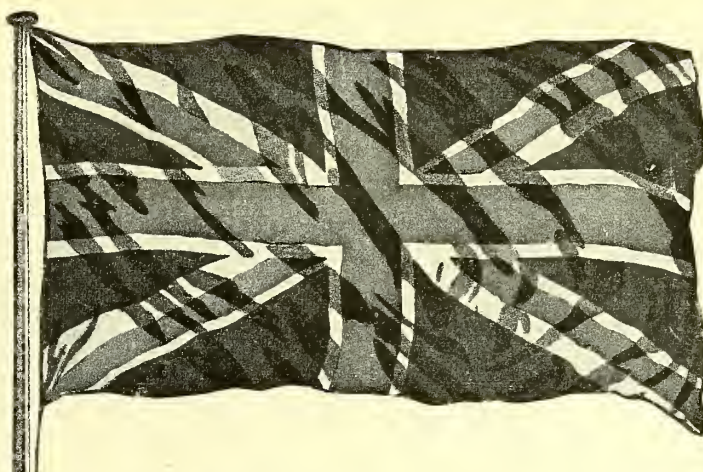
We pay carriage in United Kingdom on assortments netting £8 8s. 0d., provided 1/6 and 2/6 are in dozs. and the 11/- in threes or fours. We do not break original cases. Net monthly account. 1% for cash within seven days from date of invoice.

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and offering as

“COXPYRIN”

at the following prices :—

Bottles of 25	4/6 per doz.
„ 50	8/3 „
„ 100	15/6 „

Each bottle bears YOUR name and address.

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Farmers *will* have the Genuine Article.

INCREASE YOUR STOCKS AT ONCE.

SEASON NOW COMMENCING.

IT MEANS EXTRA BUSINESS AND INCREASED PROFITS.

ADVERTISING LITERATURE, TRADE PRICES, AND
OTHER BUSINESS HELPS *will be sent on application.*

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INDEX TO ADVERTISEMENTS IN THIS ISSUE.

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Telephone No. 852 BANK.

BRANCH OFFICES: MELBOURNE, SYDNEY, AND ADELAIDE, AUSTRALIA.

The Arabic numerals (1 to 32) in this index refer to Advertisements in front of the literary pages, the Arabic numerals following the literary pages are numbered in Roman numerals (i to xvi).

Page	Page	Page	Page	Page
Co. 12	Burroughs Wellcome & Co. 31	Fletcher, Fletcher & Co., Ltd. Text 398	Liverpool School 27	Sanitas Co., Ltd. Text 38
re, Ltd. 16	Calder, J., & Co., Ltd. 16	Ford, Shapland & Co. 36	Lofthouse & Saltmer, Ltd. xiii	Schutze & Co. 25
re, Ltd. xv	Cheltenham Natural Water Co. 16	Fulham Pottery and Chavim 36	London College of Chemistry 27	Shirley Bros., Ltd. 28
Plasters x	Christy, T., & Co. i, xv	Filter Co., Ltd. xii	London Proprietary Co. viii	Sim, Ltd. 21
Pharmaceuticals, Ltd. i, xv	City of London College 16	Galen Manufacturing Co., Ltd. xii	Longmore, F., & Co. vi	Singleton, L. 21
Drug and Chemical Co. vii	Coleman & Co., Ltd. 18	Gardner, W., & Sons xii	Lorimer-Marshall, Ltd. i, xv	Smith, T. J., & Nephew 21
B. Col. Supp. 22	College of Preceptors 27	Gimber, W. xii	Macfarlan, J. F., & Co. iv	Solport Bros. 28
Perfumery Co. 23	Cox, Arthur H., & Co., Ltd. 3	Givaudan, L. 26	Mason Bros. & Chapman. xv	South of England College 27
Liquorice Juice 20	Crawshaw, E., & Co. xiv	Gledhill, G. H., & Sons, Ltd. vi	Maw, S., Son & Sons 11	Stevenson & Howell, Ltd. 27
Cres & Co. 22	Crest & Co. 22	Glover, C. H., & Co., Ltd. xv	Maxson & Co. vi	Stipendium Stopper Co. xvi
Marson C. Col. Supp. 22	Criminal Cross Dispensary xiv	Grant, D. 30	May & Baker, Ltd. 12	Strong, Christy 29
and Sons, Ltd. 14	Cupam, Ltd. 32	Hackett, S. E. Col. Supp. 30	May, Roberts & Co., Ltd. 12	Sturge, J. & E., Ltd. 11
R. W. Text 398	Darter, Wilkinson & Co. 24	Halder, E. C. 18	McAdam & Tuckniss Col. Supp. 30	Swales, T. 28
and Foster 18	Darton Gibbs Co. 8	Hannah, T. xv	Millar, A., & Co., Ltd. xvi	Tatham, W., Ltd. 28
and Sons, Ltd. 19	Drogueries & Huddles Alley 8	Harker, C. B. Stagg & Morgan, Ltd. 22	Mills, H. xiii	Templar Malins, Ltd. 28
and Fish Col. Supp. 30	soises, Ltd. 20	Harley, T. xii	Morson, T., & Son v	Tidman & Sou, Ltd. 28
Draper, Ltd. 30	Duncan, Flockhart & Co. iv	Harrison, G. W. Text 398	Newhall & Mason 21	Timpon, J., & Co., Ltd. 8
Oberts, A., & Co., Ltd. 22	Edwards' Dental Manuf. Co., Ltd. x	Hawker, E. A. 4	Northern College 27	Tomlinson, T., & Son. Col. Supp. 30
and, Ltd. 22	Elison, H., Ltd. xv	Haywood, J. H., Ltd. xiv	Orme, Evans & Co., Ltd. x	Tompkins, J. xiv
H. E., & Son, Ltd. 22	El's College 27	Horlick's Malted Milk Co. 2	Orridge & Co. Col. Supp. 30	Toogood, W., Ltd. 9
and Sons, Ltd. Col. Supp. 30	Evans Sons Lescher & Webb, Ltd. xvi	Hucknuck, T., & Son, Ltd. 7	Orrock, R., & Co. xi	Universal Bottle Co. xvi
ing, G. C., & Co., Ltd. xi	Exchange Column Col. Supp. 30	Iddis & Co., Ltd. 17	Pascall, J., Ltd. 21	Van Abbott, G., & Sons xiv
Myers Co. 23	Fairchild Bros. & Foster xiv	Ingram, J. G., & Son x	Pearson's Antiseptic Co., Ltd. xii	Van Horn & Sawtell xiv
Drug Houses, Ltd. 2, Cover	Farmer, F., & Co. xiv	Isaacs, L., & Co. xiv	Perkin, Son & Co., Ltd. 29	Vase Development Co., Ltd. xiv
Ferry Canister Co., Ltd. xii	Fassett & Johnson 15	Johnson, J. H., & S. xiii	Pillscher, J. 13	Wardale, F. C., & Co. xv
Peel & Co. xviii	Fellows' Co. 11	Josephs, P., & Sons, Ltd. Col. Supp. 29	Potter & Clarke, Ltd. ix	Washington Chemical Co., Ltd. xv
and Sons, Ltd. xii	Fentiman, A. G. xiv	Keene & Ashwell, Ltd. i	Raphaels, Ltd. 26	West, T., & Son. 23
and Mond, & Co., Ltd. xii	Fentiman, A. J., & Co. xv	Kyle Proprietary, Ltd. 23	Reade Bros. & Co., Ltd. vi	Whiffen & Sons, Ltd. 10
and Haseler, Ltd. xiv	Ferris, J. & E. xii	Lescol Perfumery Co. 23	Roberts Patent Filling Mach. Co. xii	Wilkinson, J. F., & Co. 29
Warren & Ridgley, Ltd. xiv	Field, J. C., & J., Ltd. 24	Leaders, G., & Co. 24	Robinson & Sons, Ltd. 13	Youldon, E., Ltd. xv
Sharp & Co. Text 398	Fink, F., & Co. xiv	Levermore, A., & Co., Ltd. xiv	Rudduck & Co. Col. Supp. 30	Zimmermann, C., & Co. Chemi- cals, Ltd. 14
h, J., Ltd. Text 398		Lewis, H. K. 25	Sandones vi	

THE BUYERS' GUIDE.

acts current for advertising in this journal are mentioned. The headings refer generally to the classes of goods actually advertised, but this is a detailed Guide such as appears in "The Chemist and Druggist Diary." Inquiries addressed to the "Information Department," THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C., regarding notices not appearing in these pages receive prompt attention, as shown weekly in the editorial pages.

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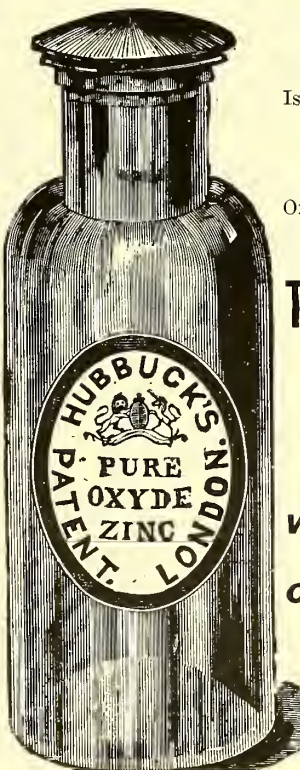
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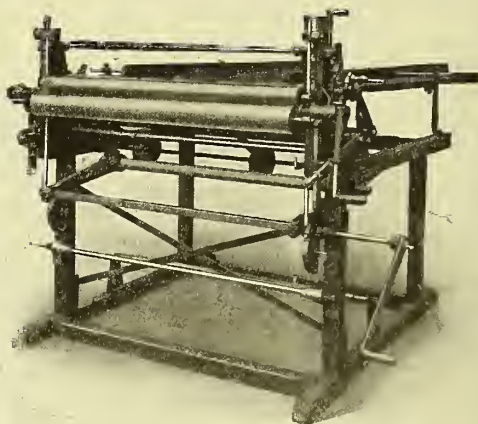
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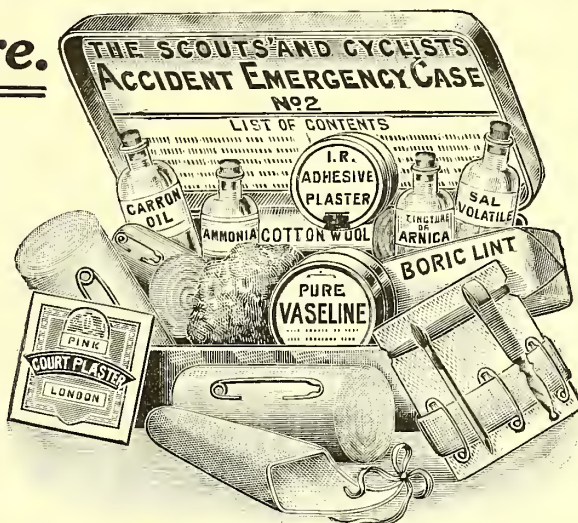
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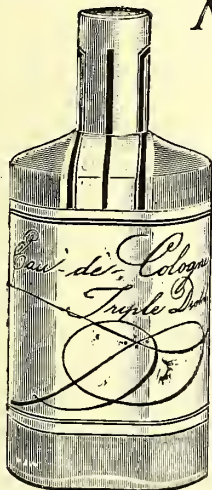
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No. 152 SEPT. 12, 1914

NO
INCREASE
IN
PRICES



B1 356/Z.

MAW'S BRITISH EAU-DE-COLOGNE

THIS famous perfume, prepared according to an old and original formula, is triple-distilled, and surpassed by no other make.

The refreshing qualities of Eau de Cologne are unequalled for use in boudoir and sick room.

Maw's British-made 4 Star Brand will make a topical and attractive display. No increase in prices. Striking showcards in preparation.

Retails at 6d., 1/- and 1/6.

NO ADVANCE IN PRICE



B 2286/F.

Here is our well-known British-made Fig. B2286/F Nipple Shield; one that has been approved by thousands of Mothers and Nurses, and thoroughly established in favour.

* * * * *

The stout glass receiver is fitted with a best black rubber teat, and is put up in a strong card box. This Nipple Shield bears the unmistakable stamp of superior quality.

* * * * *

BRITISH MADE We advise Pharmacists to order now and so take advantage of the ordinary price—2/6 dozen, usual discount.

THE WAR

ITEMS RECEIVED WHILE
GOING TO PRESS.

RUSSIANS' GREAT ADVANCE.

The Tsar's troops have invaded Silesia, and the capture of Breslau is imminent. The advance guard of the Russian centre is marching towards Berlin.

WE HOLD THE LARGEST AND MOST UP-TO-DATE SELECTION OF AMBULANCE AND FIRST-AID REQUISITES.

'PAREX' MEANS BRITISH'

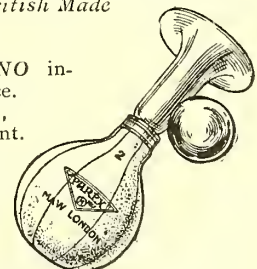
We know that our "Parex" (Regd.) Breast Reliever has secured an unparalleled reputation for generous value.

The red rubber velvet-finished bulb; the stout glass receiver; the neat grey container—all make just that good "first impression" so conducive to a sale.

Now is the time to impress upon your customers that Maw's "Parex" Breast Reliever is *British Made* throughout.

There is **NO** increase in price. 20/- dozen, usual discount.

Protected retail price 2/6 each.



STOCKS.

IN spite of the heavy demand on our stocks during the last few weeks, they have not yet been depleted, except in a very few and comparatively unimportant directions.

The reports of a famine in certain important British-made Pharmaceutical Chemicals are largely without foundation.

We still hold ample stocks, and are keen sellers of **BRITISH-MADE**—

BISMUTH SALTS
CAMPHOR, REFINED
CHLOROFORM
CYANIDES
ETHERS of all descriptions

GLYCEROPHOSPHATES
LITHIA SALTS of all descriptions
MERCURIALS
QUININE SALTS
ROCHELLE SALTS

And SEVERAL HUNDRED other preparations of lesser importance.

MAY & BAKER, LTD., Manufacturing Chemists, **Battersea, LONDON, S.W.**

THE SAPONIFIED CRESYLIC DISINFECTANT OF **BRITISH MANUFACTURE** **ACROSYL**

(REGISTERED)

CHIEF CHARACTERISTICS:

- (1) Only the finest selected Cresols employed in its production.
- (2) Higher Carbolic Co-efficient than **any other** similar preparation.
- (3) **Non-caustic, non-irritant**, under normal conditions and circumstances.
- (4) Unequalled for use in MIDWIFERY, GENERAL SURGERY, and PERSONAL HYGIENE.

N.B.—Every Medical Man has recently received Literature on ACROSYL.

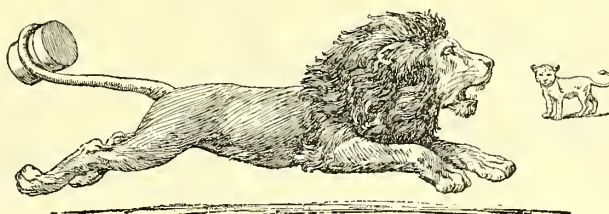
PRICES {	$\frac{1}{4}$ lb. Size Retails at 7½d.	Wholesale 5/9 per Dozen.
	$\frac{1}{2}$ lb. „ „ „ 1/-	„ 8/6 „ „
	1 lb. „ „ „ 1/8	„ 13/- „ „

Thus yielding a Profit of approximately 30% TO PHARMACISTS.

STOCK HELD BY ALL THE WHOLESALE HOUSES.

THE ACROSYL CO., SUTHERLAND HOUSE,
LLOYD'S AVENUE, LONDON, E.C.

(NO. 3 OF THE BRITISH LION AND THE PILL BOX)



"EVERYWHERE THE BRITISH LION GOES ROBINSON'S PILL BOX GOES.
ITS STERLING QUALITIES HAVE MADE IT THE UNIVERSAL PILL BOX
THROUGHOUT THE BRITISH EMPIRE."

THE "ROBINSON-MADE" PILL BOX
GIVES THE BEST VALUE FOR MONEY
OF ANY PILL BOX MADE. IT IS USED
BY DOCTORS AND CHEMISTS ALL OVER
THE ENGLISH-SPEAKING WORLD.
IT WILL PAY YOU TO SPECIFY
"ROBINSON'S MAKE"
WHEN NEXT ORDERING FROM YOUR
WHOLESALE HOUSE.

ROBINSON & SONS, LTD.,

BOXMAKERS TO THE
CHEMIST TRADE,

CHESTERFIELD.

(3)

J. Pillischer

MANUFACTURER OF

SOLE Manufacturer of the

**"LES THERMOMETRES
LES PLUS PRIMÉS
DU MONDE ENTIER."**

Recent Exhibitions :

**15 GOLD MEDALS
16 GRANDS PRIX**

Hors Concours—Membre du Jury

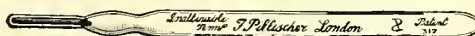
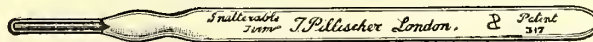
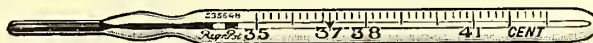
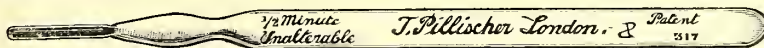
**88 New Bond Street,
London, W.**

SCIENTIFIC INSTRUMENTS.

**Celebrated
"Inalterable"
Maximum Clinical
Thermometer.**

DEPOTS :

FRANCE,
BELGIUM,
SPAIN,
PORTUGAL,
CUBA,
BRAZIL,
URUGUAY,
ARGENTINA,
CHILI,
PERU.



PRICE LIST ON APPLICATION.

BRANCHES :

PARIS,
16 Bd. de
Strasbourg.

BUENOS AIRES,
643 Sarmiento.



Lysol



MADE BY A
BRITISH FIRM with **BRITISH CAPITAL**
 by **BRITISH LABOUR** from **BRITISH**
RAW MATERIALS.

No money for alien enemies.

There is no need to sell substitutes when you can satisfy the demand for LYSOL.

OF ALL CHEMISTS in bottles at 7½d., 1/-, 1/9 and 3/- each.

Owing to shortage of bottles we have had to send out LYSOL in other than the familiar shaped bottles, but supplies are in hand and the old packing is being resumed.

Under the analytical control of Ernest J. Parry, B.Sc., F.C.S., F.I.C., and Arthur R. Ling, F.I.C.

CHAS. ZIMMERMANN & CO. (Chemicals), Ltd., 9 & 10 St. Mary-at-Hill, LONDON, E.C.

SPECIAL NOTICE

Although some Chemists do a large trade in our own Specialities, others have perhaps never taken them up. It is universally conceded that these particular remedies have never been excelled, although often imitated.

OUR NEW GUARANTEE LABEL

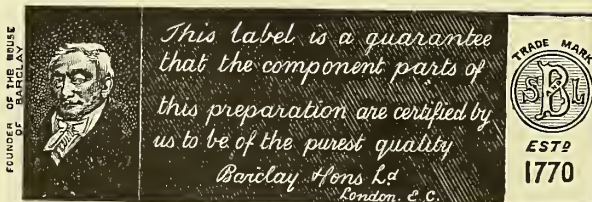
To prevent imitation we are now using a new Guarantee Label as shown below. Customers who are willing to help to increase sales will be given special facilities.

PLEASE WRITE US.

IT WILL PAY YOU.

Bateman's Pectoral Drops,
 Burt's Liquor

Vesicatorious,
 Dalby's Carminative,
 Davy's Diamond Cement,
 Dredge's Heal-All,
 Eau de Cologne,
 Freeman's Bathing Spirits,



Johnson's American
 Soothing Syrup,
 Leeming's Essence
 for Lameness,
 Pomade Divine (Barclay),
 Sweeting's Elixir,
 Woodhouse's Balsam
 Spermaceti.
 Etc. Etc.

BARCLAY & SONS, LTD., 95 Farringdon Street, LONDON, E.C.

Prices not Advanced for— SEABURY'S SURGICAL DRESSINGS.

Ample stocks of Seabury high-grade Surgical Products enable us to advise that, notwithstanding a general advance in prices, Seabury Surgical Dressings—the finest obtainable—are supplied at list prices, usual discount and conditions.

Write for our Complete List.

SEABURY'S ABSORBENT COTTON

LONG FIBRE.
RAPID ABSORBENCY.

NET WEIGHT.
16 oz. to lb.

NEUTRAL
STERILIZED.

In Cartons containing	1 lb.,	1/8 per lb.	...	2 oz.,	2/6 per lb.
"	1/2 lb.,	1/11 "	...	1 "	2/9 "
"	3/4 lb.,	2/3 "	...	1/2 "	3/6 "

SEABURY'S GAUZES.

In patent air-tight aseptic containers. 1 & 5 yards, 36 in. wide. Convenience, portability, and sterile conditions for Hospital and emergency use.

	1 yd.	5 yds.
	Per doz.	Each.
Absorbent (plain) ...	6/6	1/10
Sal Alembroth (1%) ...	8/-	2/6
Borated (10%) ...	8/-	2/6
Corrosive Sub., 1 to 1000 ...	8/-	2/6
Iodoform (5%) ...	12/-	4/-
Mercurio-Zinc Cyanide ...	9/6	2/8

and other medications.

SEABURY'S LIGATURES.

On glass spools in bottles.

CATGUT.—3 strings, 10 ft. each, Nos. 0, 1, 2, 3, or assorted, 24/- per doz. No. 4, 30/- per doz. bottles.

SILK (Braided or Twisted), 3 strings, 5 yards each. Nos. 1, 2, 3, 4, or assorted, 24/- per doz. bottles.

Supplied STERILIZED, CARBOLIZED, CHROMIC (CATGUT), &c.

MEAD'S PLASTER

RUBBER ADHESIVE.

SPOOLS (10 yards).

1/4	1/2	3/4	1	1 1/2	2	2 1/2	3	4	in.
15/-	17/6	20/-	22/6	30/-	35/-	45/-	55/-	66/6	doz.

SPOOLS (5 yards).

1/4	1/2	3/4	1	1 1/2	2	2 1/2	3	in.
10/-	12/6	14/-	15/-	17/6	20/-	25/-	30/-	doz.

ROLLS.

1 yard 7 in. wide, plain or porous	...	...	...	17/6	per doz.
5 " 7 " " " " "	...	...	...	6/3	per roll.
5 " 12 " " " " plain	...	...	...	8/4	"

Packed in
Tin Cylinders.

Prices subject to discount

SEABURY & JOHNSON,

Sole Representatives—FASSETT & JOHNSON, 86 Clerkenwell Road. LONDON, E.C.

Pharmaceutical Patriots

Do your share in capturing
for Britain the enemy's trade.

CHELTENHAM WATER

The only British Natural Aperient Water

Is pronounced by high Medical Authorities
superior to the Hungarian Waters.

Trade Terms - 9/- per doz. bottles.

Retail Price - - 1/- per bottle.

No Discounts.

Price protected at face value.

SAMPLE DOZEN CARRIAGE PAID.

THE CHELTENHAM NATURAL WATER CO., Priory Court, CHELTENHAM.

PUT A "PRANA" WAR BOTTLE IN YOUR WINDOW

backed by the

STRIKING TOPICAL

Poster that is now ready, and note how people
will be attracted to your shop. The "Prana"
War Bottle is needed by every officer and man
at the Front, and in a small stock you will have a

SOUND SELLING LINE

and a

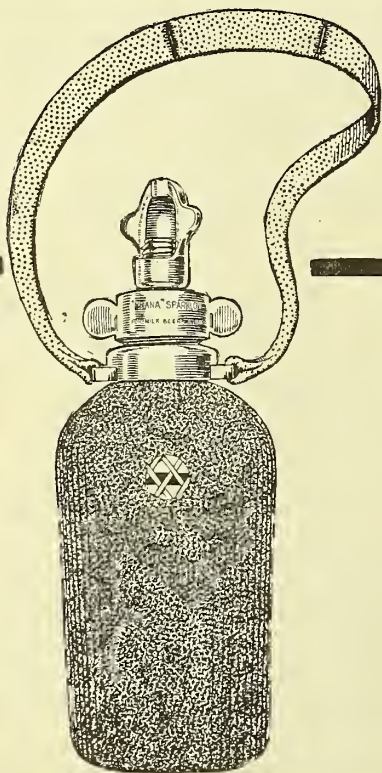
GREAT ATTRACTION.

Drop a postcard now for details & prices to

AERATORS LIMITED,

War Supplies Department,

EDMONTON, LONDON



**Do not sell German or Austrian
Table Waters.**

Why assist the King's Enemies?

**BRITISH WATERS ARE BETTER,
AND YIELD YOU A GOOD PROFIT**



Tonalka

AN ALKALINE TONIC APERIENT WATER

*PLEASANT IN TASTE, CERTAIN
AND PAINLESS IN ACTION.*

TONALKA WATER is carefully prepared with Distilled Water and Pure Chemical Salts; it is of a constant and definite strength, not varying from time to time as is the case with many natural mineral waters.

It contains **Medicinal Salts** in the proportions found in the best Natural Aperient Waters.

TONALKA WATER is recommended

1. As a safe and mild aperient for prolonged use.
2. In cases of obstinate constipation.
3. As a remedy in bilious attacks.
4. As a corrective in indigestion.
5. As a preventative in cases of gravel and stone.
6. As a liver stimulant.
7. As a specific in Hæmorrhoids.
8. As a cure in Gouty and Rheumatic affections.

Supplied in Reputed Quart Bottles.

Wholesale Price - 4/6 per doz. net
(Delivered Free in London District)

Minimum Retail Price 10/- per doz.

IDRIS & CO., LTD., PRATT STREET,
CAMDEN TOWN, N.W.

Branches—LIVERPOOL, SOUTHAMPTON, CANTERBURY.

**Prompt Sales
Increasing Demand
Quick Turnover
Protected Price**

You stock "Wincarnis"—our advertising sells it for you. There is an enormous and ever-increasing demand for "Wincarnis" because it is a good article backed up by a powerful advertising campaign. Don't risk losing sales through being out of stock. Glance at your stock now.

COLEMAN & CO., LIMITED,
Wincarnis Works, Norwich.

WINGARNIS

**TO USERS and DEALERS in METH. SPIRIT and SPIRIT OF WINE.
FOR QUOTATIONS apply to—**

PRESTON'S LIVERPOOL DISTILLERY CO. LD.

The Largest Makers in the Kingdom.

BANKHALL DISTILLERY, SANDHILLS, LIVERPOOL. Office; 4 India B'ngs, Water St., Liverpool.

SODA-WATER MACHINERY.

By the use of our latest Back Pressure Filling Machines only half the usual quantity of Gas is used for the manufacture of the Highest quality Soda-water, either in Syphons or Bottles.

THE "COMPACT" MACHINES

are specially designed for

CHEMISTS, GROCERS, RESTAURATEURS,

and everyone to whom space is an object, and can be used for filling Syphons, Codd's Bottles, or Cork Bottles.

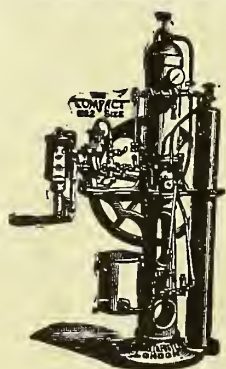
OCCUPY LITTLE SPACE!

ARE READY FOR USE IMMEDIATELY!

REQUIRE NO FIXING!

Produce Soda Water, Lemonade, &c., of the highest class and greatest purity.

Write for Catalogue.



**A COMPLETE APPARATUS—
CAPABLE OF PRODUCING OVER
300 DOZEN LARGE BOTTLES
OF AERATED WATER PER DAY
—FROM £20.**

Bottles, Boxes, Essences, and all
Requisites for the Trade at
Lowest Prices.

BARNETT & FOSTER, Niagara Works, 26th Eagle Wharf Road, N.

Proprietors of Galloway Bros., Bolton.

5%

Cash Bonus

For Retailers again this year

As a large number of our retail clients have been anticipating our usual bonus offer, we have pleasure in announcing that we are again offering a 5% cash bonus on the gross value of all orders for Bovril received up to October 31st, inclusive. (Goods at net prices excluded.)

Now is the time to order your stock of Bovril. Directly the days get cooler the sales of Bovril begin to go up. There is a large and constant demand for Bovril throughout the season.

Order your stocks now and take advantage of the 5% bonus.

*For full particulars of trade terms and this year's 5% cash bonus apply to Bovril Ltd.,
152-166, Old Street, London, E.C.*

BOVRIL

EXTRACT OF MALT

PLAIN, OR WITH
COD LIVER OIL

IN ALL KINDS
OF PACKAGES



BUYERS' LABELS
SUPPLIED
IF WANTED



GUARANTEED ABSOLUTELY PURE

Quotations from

James Calder & Co., Ltd. BO'NESS DISTILLERY
BO'NESS, N.B.

DROGUERIES & HUILERIES ANVERSOISES, LTD., ANTWERP, BELGIUM.
LIQUORICE MANUFACTURERS.



Own Plant
for
Liquorice
Extracting
from first-
class roots.

GUARANTEED PURE REFINED EXTRACT OF LIQUORICE.

BRIGHT, SOLUBLE.

In sticks of 8 and 5 to lb., or according to buyer's convenience. Sticks with buyer's own mark or name if desired; packed in cases of 1 cwt.

Glycyrrhizinate Amon. 70/72-80/82.

LIQUORICE ROOTS in Bundles.

Wholesale only.

The new **PURE LIQUORICE** Juice.

APOLLO

Made by the largest Liquorice Manufacturers in the World. Is the concentrated extract of the richest root. Contains no added substance whatever. It is very soluble, smooth to the tongue, and entirely free from grit. It is made where the root grows, under supervision of English staff. Is not a sweetmeat but a high-class Pharmaceutical article.

"APOLLO" IS VERY HIGH IN GLYCYRRHIZIN.



EXTRACT OF MALT & COD-LIVER OIL.

MADE UP IN EXCEPTIONALLY GOOD STYLE.
SQUARE JARS - THREE-COLOUR LABEL

QUALITY RIGHT!

GROSS LOTS AT CONTRACT PRICES.

Special N.H.I.
CONTAINER.



Write To-day for our
Special Winter Terms.

T. J. SMITH & NEPHEW LTD
5, NEPTUNE ST., HULL.

Agents for Newcastle and District : URWIN & CO., The Manors, Newcastle-on-Tyne.

GOOD!
.....**IT'S MASON'S**
.....
The Drink for the Masses



Millions of glasses used daily
by workers all over the Empire

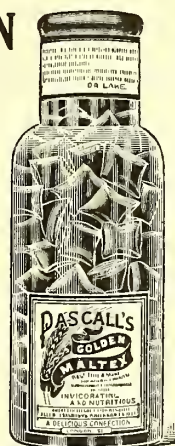
Please allow us to Sample and Quote—

Citrate Magnesia
Health Salt
Salines
Liver Salt
Blood Salt
Sulph. & Sarsap. Salt
Lemonade
Crystals, &c.

NEWBALL & MASON
NOTTINGHAM

PASCALL'S
GOLDEN MALTEX

Contains
25%
Pure
Malt
Extract



of
especial
food value
for
Children.

6d. & 1/-
BOTTLES.

4 ozs. 3d.

¶ Pascall's Golden Maltex is admirably
suited for sale by Chemists, owing to
its nutritive and restorative qualities.

¶ Order through your Wholesale Drug-
gist, or direct from the manufacturers,

JAS. PASCALL, Ltd., LONDON, S.E.

A. Boake Roberts & Co., Ltd.. STRATFORD, LONDON, E.

.. FOR ..

SOLUBLE ESSENCES, ESSENTIAL OILS, OIL LEMON.

If you wish to make first-class

∴ Aerated Waters, use ∴

BOAKE ROBERTS' ESSENCES.

Finest Soluble Essences :

Lemon,

Orange,

Ginger,

Ginger Ale,

Stone Ginger Beer (Cloudy)

Clear Ginger Beer.

Kola Champagne,

Lime Juice and Soda,

Lemon Squash,

Raspberry,

Strawberry,

Pineapple,

Vanilla, &c. &c.

GOLDEN CARAMEL COLOURINGS, &c.
and all sundries.

A. Boake Roberts & Co., Ltd..

BEETHAM'S "LAROLA"

(Registered)

Is the Skin Tonic for 1914.

It is effective.

It is attractive.

It is price-protected.

It is well-advertised.

It sells readily.

It bears a good profit.

HAVE YOU OUR SHOWCARD?

THIS IS WHAT THE "C. & D." SAYS OF IT:

BEETHAM'S NEW SHOWCARD.—One of the prettiest lithographic productions which have come to us lately is the Larola beauty here depicted. The card measures 24 in. by 18 in., and is all roses, even the word "Larola" being formed from prickly rose-stems. The fair rose-gatherer has rosy cheeks, and she and the setting make so bright a picture that no pharmacy will be complete without it. Copies can be obtained from Messrs. M. Beetham & Son, Cheltenham, the originators of Glycerine-and-Cucumber and Larola.

This handsome Showcard, in 14 colours (size 24 by 17) can be had by any chemist who will give it a good place in his pharmacy.

M. BEETHAM & SON, Cheltenham.

OVER 100% PROFIT!
ENSURED & PROTECTED (P.A.T.A.)

for sellers of

Laurence's Hair Dyes

One solution, nine shades.

A first-class article with an excellent demand, created entirely on its own merits, and carrying a first-class profit.

Size.	Minimum retail.	Minimum wholesale.	
1/-	...	1/-	...
1/6	...	1/6	...
2/6	...	2/3	...
3/6	...	3/3	...
		7/6	
		9/-	
		15/-	
		21/-	

per doz.
less 5%
discount

SPECIAL BONUS.

Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).

Do. 6 doz. do. 8 bottles gratis.

Do. 12 doz. do. 18 bottles gratis.

Equivalent in the case of the size in most general demand, viz. 1/6 size to 4/6, 12/- and 27/- respectively.

SOLE PROPRIETORS—

C. R. HARKER, STAGG & MORGAN,
LTD.

DEVON WHARF,

Emmott Street, Mile End, London, E.

THE LESCOL PERFUMERY CO.

beg to announce that in addition to their well-known popular lines they now have an extensive range of

NEW LINES.

Before placing orders, BUYERS will be well advised to send a card stating requirements, when a price list with coloured illustrations of those suitable to their market will be sent immediately.

Orders dispatched in rotation ; to ensure early delivery write at earliest opportunity to :—

THE LESCOL PERFUMERY CO.,

LOMOND GROVE,

CAMBERWELL GREEN,

LONDON, S.E.

Telephone : 810 Hop.

Telegrams :

"VANILLIN-CAMBER, LONDON."

STOCK BRITISH - MADE GOODS

especially those that show
you a good profit.

ANZORA CREAM

the preparation that
MASTERS THE HAIR

shows you a protected profit of 80 %
when purchased in 3-dozen lots.

TRADE TERMS :

11/6 per dozen. Retail at 18/-

19/6 " " " 30/-

10 % discount on orders of 3 dozen and upwards.

Order through any Wholesaler,
and send a card to us for advertising matter.

THE ANZORA PERFUMERY CO.

32 - 34 WILLESSEN LANE, LONDON, N.W.

OKELL'S ORIGINAL MONA BOUQUET.

(First introduced by the late JOSEPH O'KELL).

Registered Trade Mark, "DOUGLAS PIER."

The most popular and best-selling perfume in the market,
Retail Prices ... 1/-, 1/9, 3/6, 6/-, 7/6, 10/6, per Bottle,

ALSO 3d. SAMPLE BOTTLES.

Shippers and Wholesale Buyers supplied on the best terms by
THOMAS WEST & SON, 1187 Chester Road, MANCHESTER.
Stretford.

SAL HEPATICA

PUT UP FOR EXPORT.

Small	Size,	3 oz. bottle, in case.
Medium	"	7 " " "
Large	"	16 " " "

OBTAINABLE IN LONDON FROM

Thos. Christy & Co., 4-12 Old Swan Lane,
Upper Thames Street, E.C.

The American Drug Stores, Trafalgar Bldgs.,
6 Northumberland Avenue, London, W.C.

Burgoyne, Burdige & Co., 16 Coleman St.,
E.C.

F. Newbery & Sons, Ltd., 27 Charterhouse
Square, E.C.

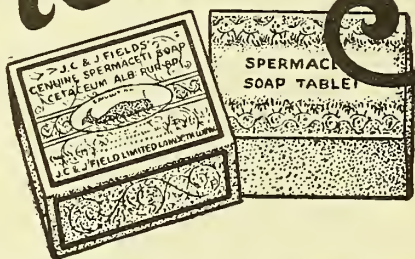
Roberts & Co., 16 New Bond Street, W.



THE ATTENTION OF
CHEMISTS & DRUGGISTS
is directed to—

IDEAL FOR THE NURSERY.
An Excellent White Skin Soap
for all tender skins.

Field's Spermaceti TOILET SOAP



SELLING AT 4^D PER TABLET

Shows an excellent profit.
PROTECTED PRICES.

There is also a "FREE SAMPLE SCHEME" in connection.

Manufacturers of "MIGNONETTE," "LILY CREAM," "SAVON aux FLEURS," and other Brands of TOILET SOAPS, showing TRADE PROFITS of from 28% to 40%.

We make a speciality of the preparation of CHEMISTS' PROPRIETARY LINES, and cordially invite applications for SAMPLES and PRICES. Price List on application.

J. C. & J. FIELD, L^{TD.}, TOILET SOAP EXPERTS,
LONDON, S.E.

Telegrams: "Ozokerit, Lamb, London."

Established 1642.

Telephone: 3905 Hop.

PLEATED PAPER BOTTLE CAPS

THE BEST IN QUALITY AND CHEAPEST ON THE MARKET. 20 YEARS' REPUTATION.



Nos. 0, 1, 2, 3, 3b, 10, 20, 30 for Phials 4d. per gross.	Nos. 6, 6b, 60 for Pints ... 5½d. per gross.
" 4, 4b, 40 for 3 to 6 oz. Bottles ... 4½d. "	" 39 for Winchester Quarts ... 7d. "
" 5, 5b, 50 for 8 to 10 oz. Bottles 5d. "	" 8, Long for Wines... 9d. "

ELASTIC BANDS: Small, 3d. per gross; Large, 4d. per gross.

Also MANUFACTURERS of DISH and DESSERT PAPERS,
HAM FRILLS, PIE COLLARS, SOUFFLET CASES, &c. &c.

From WHOLESALE AND EXPORT ONLY

DARTER, WILKINSON & CO.,

23, 24, 25 Sandland Street, and
3, 4, & 5 Gray's Inn Passage

High Holborn, LONDON, W.C.

GEORGE LUEDERS & CO.

NEW YORK,
218, 220 & 211 Pearl Street.

CHICAGO,
301 W. Randolph Street.

SAN FRANCISCO, CAL.,
11 Main Street.

MONTREAL, 396 St. Paul Street.

MEXICO CITY, Av. Independencia 10.

Letter address: P.O.B. 1498 NEW YORK.

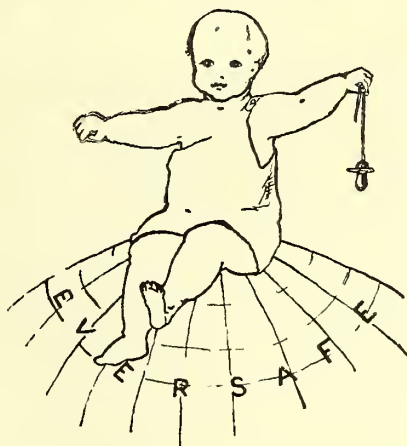
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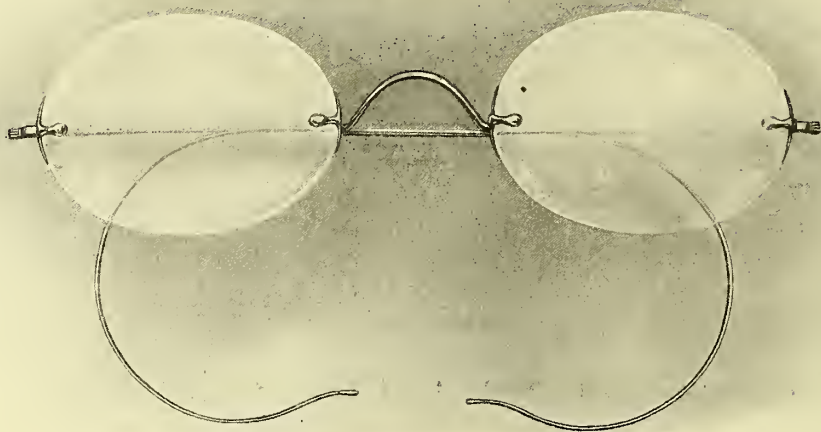
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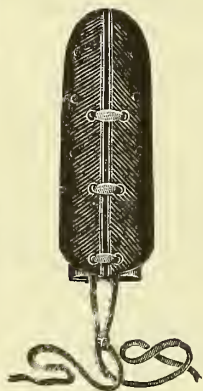
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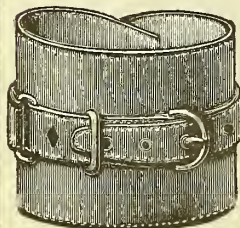
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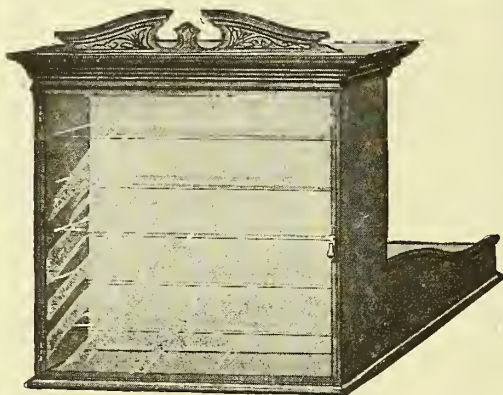
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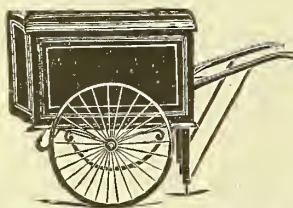
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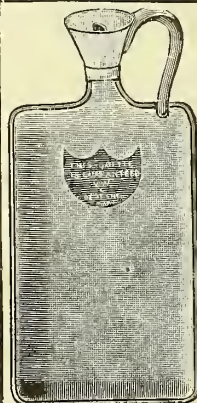
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CONTENTS: No. 11 (Series No. 1807), Vol. 83.

	PAGE		PAGE
Association Affairs	50	French News	41
Australasian News	44	Information Department ...	44
Bankruptcy Report	43	Insurance Act Dispensing...	50
Births	43	Irish News	40
Business Changes	48	Legal Reports	42
Companies and Company		Manufacture of Phenacetin	38
News	43	Marriages	43
Correspondence	54	Netherlands Notes	41
Subscribers' Symposium	55	Observations and Reflec-	
Legal Queries	56	tions	45
Miscellaneous Inquiries	56	Personalities	49
Deaths	43	Retrospect	56
Editorial Articles—		Scots News	41
The Winter Session	46	South African News	51
War-time Trade	47	Trade-marks	51
Notes	48	Trade Notes	48
English News	39	Trade Report	52
European War	33	Westminster Wisdom	49

SUMMARY.

What should chemists do during the coming Winter Session? We give some hints on pp. 46-47.

Our Paris correspondent has sent this week more news items than we can find room for. We give two columns on pp. 41-42.

We print a big budget of news items respecting the chemical and drug trades in Germany, showing how they are affected by the war (pp. 37 and 38).

A new Proclamation regarding trading with the enemy is printed on p. 34. It imposes fresh limitations without further affecting trading in this country. See also p. 49.

"The *C. & D.* is doing a great service to the profession of pharmacy by focussing attention on the manufacture of chemicals." So says a contemporary. Phenacetin is this week's subject (p. 38).

Considering the fact that August was the first month of a war that is affecting the whole world, the export and import business of this country was good. Exports of medicines fell by about a fourth only (p. 47).

Criticism of Insurance dispensing arrangements so far as the national Exchequer is concerned is not exactly opportune at present; yet we have it from Scotland on p. 50, and from correspondents on pp. 54 and 55.

The prohibition regarding exportation of medicines from this country has been modified, particularly in the removal of the fine chemicals entry and specification of many articles in place of it. It is understood that in certain circumstances licences may be granted to exporters of some of these articles (p. 34).

As we go to press we have received the following telegram as an appeal to the drug-trade:

Queen Alexandra's appeal on behalf of the British Red Cross Society may not have reached you. The Prince of Wales's Fund only provides for distress at home. The Red Cross Society, which undertakes to tend the sick and wounded and provides those hospital comforts which mean so much to wounded men, is in immediate need of funds, and we hope that if you have not already subscribed you will send us a donation to make effective this great work of humanity and mercy. Donations are acknowledged daily in "The Times." Rothschild, Frederick Treves, E. A. Ridsdale. Devonshire House, London, W.

European War.

Peace?—In London on Saturday, September 5, the Triple Entente entered into the following agreement:

"The British, French, and Russian Governments mutually engage not to conclude peace separately during the present war. The three Governments agree that when terms of peace come to be discussed no one of the Allies will demand terms of peace without the previous agreement of each of the other Allies."

Japan also assents. "The Times" correspondent at Washington says:

"Evidence accumulates that the German Ambassador [in Washington] and other German agents are assiduously spreading reports about German readiness for peace and trying to work upon the peace-loving proclivities of the American people."

Meanwhile the people of the British Empire are settling down for a fight to the finish by land and sea—the Princes and people of India and our kinsmen in the King's Dominions beyond the seas being at one with men of the Homeland in this great struggle for Freedom and Peace on Earth.

A Pharmaceutical Roll of Honour.

A large number of men connected with the drug-trade in Great Britain and Ireland have joined the British Army since the war broke out. Many had served or were serving in the Territorials before the war began, and have joined their units. Besides those are others who were serving in the Army and Navy, such as the sons of men connected with the drug-business. A list of the names and addresses of all such men, and the regiments with which they are connected, should be compiled. We have published a few of them, but they come to us sporadically. We should like to assist in gathering as full a list as possible, and invite our readers to send us by postcard the names, addresses, and regiments of *confrères* who are serving. The heads of establishments would also oblige by sending us complete lists of members of their staffs who are serving their King and country. We suggest that at the first meetings of Chemists' Associations the names of men connected with the trade in the localities covered by the Associations should be ascertained, and the facts recorded in the minutes of the meetings at which the names are read out. We would be glad to have these also. As space permits, we shall print this Pharmaceutical Roll of Honour, and cordially invite the co-operation of all readers in furnishing the necessary data.

Effect on Pharmacy in India.

A pharmaceutical firm, writing from Lahore on August 12, say:

"Out here we are all anxious to know how the war is to affect us. Stocks at this time of the year are at their lowest ebb; winter shipments usually leave England in August and September, and, unless shipping is resumed, we are afraid we are in for a bad time. Prices in Bombay and Calcutta have gone up about 25 per cent., and in some instances even higher, this last week or two, and the outlook is serious for merchants out here. The season opens in October, but it is not promising, and, being without any information from London agents, we have no idea when stocks will be shipped. Consequently prices are very unsettled, but the Lahore chemists (European firms) have meantime resolved to adhere as far as possible to former rates. . . . It is needless to say the *C. & D.* is welcomed by us every mail-day, and we hope it will not be 'captured' on the way out."

The Committee on Prices of Drugs.

The Government issued on Saturday, September 5, the following statement in respect to the Pharmaceutical Committee which has been acting with Sir Robert Morant and other Government representatives in regard to the stocks and prices of drugs and medicinal chemicals:

"The Pharmaceutical Committee which is advising the Government on the question of the rise in price of various drugs is holding frequent meetings. The Committee consists of Messrs. Edmund White, R. T. Neathercoat, C. A. Hill, John C. Umney, and W. J. U. Wooleock. Information is in the hands of the Committee to the effect that the prices of certain drugs are inflated by reason of the action

B

of particular dealers, and recommendations will probably be made that the Government should exercise its powers under the recent Act in order to prevent such inflation."

"Precious Drugs."

The "Evening News" (London) is noted for saying things that please folk generally, and the following is one of its latest ventures:

"The medical profession has been asked by the Insurance Commission to refrain from prescribing certain drugs, unless absolutely necessary, until the drugs, which up to now have come from Germany, can be made in England.

For relieving rheumatism, salicylate of soda has been a generally used remedy, but it is now being reserved for the acutest cases. It is the same with bromide of potassium, which is used for sleeping-mixtures and in the treatment of epilepsy.

As a substitute for carbonate of bismuth, so extensively employed in stomach and gastric troubles, bicarbonate of soda is being used. Other drugs on the 'warned' list are citric acid, tartaric acid (used for powders), and aspirin (rheumatism and neuralgia)."

The days of Spelling Bees are over, else "Salicylate" would have caught on.

Dispensers for the War.

We are informed, on special inquiry at the War Office, that the Royal Army Medical Service have now enrolled a sufficient number of civilian dispensers under the Special Army Order of August 4 (see *C. & D.*, August 8, p. 35). Chemists' assistants who wish to serve must now enlist in the Royal Army Medical Corps in the usual way and take work, which is not likely to include anything pharmaceutical, as it comes.

A pharmacist who has joined one of the general hospitals of the R.A.M.C. (Territorial) writes that he is now installed as a sergeant-dispenser at a base hospital (formerly a school), containing operating-room, x-ray department, pathological laboratory, etc. Patients are to be taken direct to the hospital by train from the coast, a special railway siding having been constructed for that purpose. Our correspondent is in uniform, and is encamped with his unit in the hospital grounds. He does not consider the pharmacist's position in the R.A.M.C. at all satisfactory, and the remuneration, he states, is insufficient for a qualified man.

Dearer Brushes and Brooms.

The British Brush-manufacturers' Association has held a special meeting to consider the serious situation produced by the stoppage of supplies of bristles and other hair from Russia, Siberia, Germany, Poland, and France. The limited stocks of these materials in England are being rapidly used up, and the prices have consequently advanced enormously. Owing to smaller exports from the Far East, Chinese bristles have also risen in price very considerably. Other raw materials, such as timber, wire, etc., are also affected. The Association officially announces that the prices of brushes and brooms have of necessity already been advanced, and that further considerable advances will be inevitable in the near future.

Trading with the Enemy Proclamation.

His Majesty in Council agreed on September 9 to a new Proclamation in regard to trading with persons, etc., in the German Empire or Austria-Hungary without his permission. It revokes the Proclamation of August 5 (*C. & D.*, August 15, p. 34) and Clause 2 of the Proclamation of August 12, and after defining "enemy country" as the above-mentioned territories, "with all the colonies and dependencies thereof," proceeds as follows:

3. The expression "enemy" in this Proclamation means any person or body of persons of whatever nationality resident or carrying on business in the enemy country, but does not include persons of enemy nationality who are neither resident nor carrying on business in the enemy country. In the case of incorporated bodies, enemy character attaches only to those incorporated in an enemy country.

4. The expression "outbreak of War" in this Proclamation means 11 p.m. on the 4th August, 1914, in relation to the German Empire, its colonies and dependencies, and midnight on the 12th August, 1914, in relation to Austria-Hungary, its colonies and dependencies.

5. From and after the date of this Proclamation the following prohibitions shall have effect (save so far as

licences may be issued as hereinafter provided), and We do hereby accordingly warn all persons resident, carrying on business or being in Our Dominions—

(1) Not to pay any sum of money to or for the benefit of an enemy.

(2) Not to compromise or give security for the payment of any debt or other sum of money with or for the benefit of an enemy.

(3) Not to act on behalf of an enemy in drawing, accepting, paying, presenting for acceptance or payment, negotiating or otherwise dealing with any negotiable instrument.

(4) Not to accept, pay, or otherwise deal with any negotiable instrument which is held by or on behalf of an enemy, provided that this prohibition shall not be deemed to be infringed by any person who has no reasonable ground for believing that the instrument is held by or on behalf of an enemy.

(5) Not to enter into any new transaction, or complete any transaction already entered into with an enemy in any stocks, shares, or other securities.

(6) Not to make or enter into any new marine, life, fire, or other policy or contract of insurance with or for the benefit of an enemy; nor to accept, or give effect to any insurance of, any risk arising under any policy or contract of insurance (including re-insurance) made or entered into with or for the benefit of an enemy before the outbreak of War.

(7) Not directly or indirectly to supply to or for the use or benefit of, or obtain from, an enemy country or an enemy, any goods, wares or merchandise, nor directly or indirectly to supply to or for the use or benefit of, or obtain from any person any goods, wares or merchandise, for or by way of transmission to or from an enemy country or an enemy, nor directly or indirectly to trade in or carry any goods, wares or merchandise destined for or coming from an enemy country or an enemy.

(8) Not to permit any British ship to leave for, enter or communicate with, any port or place in an enemy country.

(9) Not to enter into any commercial, financial or other contract or obligation with or for the benefit of an enemy.

(10) Not to enter into any transactions with an enemy if and when they are prohibited by an Order of Council made and published on the recommendation of a Secretary of State, even though they would otherwise be permitted by law or by this or any other Proclamation.

AND WE DO HEREBY FURTHER WARN all persons that whoever in contravention of the law shall commit, aid or abet any of the aforesaid acts, is guilty of a crime, and will be liable to punishment and penalties accordingly.

6. Provided always that where an enemy has a branch locally situated in British, allied or neutral territory, not being neutral territory in Europe, transactions by or with such branch shall not be treated as transactions by or with an enemy.

7. Nothing in this Proclamation shall be deemed to prohibit payments by or on account of enemies to persons resident, carrying on business or being in Our Dominions, if such payments arise out of transactions entered into before the outbreak of War or otherwise permitted.

8. Nothing in this Proclamation shall be taken to prohibit anything which shall be expressly permitted by Our licence, or by the licence given on Our behalf by a Secretary of State, or the Board of Trade, whether such licences be especially granted to individuals or be announced as applying to classes of persons.

9. This Proclamation shall be called the Trading with the Enemy Proclamation No. 2.

Exportation of Medicines.

By Proclamation, dated August 10, and gazetted on August 11 (*C. & D.*, August 15, p. 34), the exportation of the following substances from Great Britain and Ireland was prohibited:

Glycerin, crude and refined	Cresol and all preparations thereof (including cresylic acid) and nitro-cresol
Saltpetre	<i>Digitalis</i> and its preparations
Nitrate of sodium	Ether
Guncotton	Ethyl chloride
Carbolic acid	Formic aldehyde
Alcohol, ethylic	Henbane and its preparations
Alcohol, methyllic	Iodine and its preparations
Alkaline iodides	Lysol
Belladonna and its preparations and alkaloids	Mercury and its salts and preparations
Bismuth and its salts	Morphia and other alkaloids of opium
Boric acid	Nux vomica and its alkaloids and preparations
Bromine and alkaline bromides	Opium and its preparations
Castor oil	Paraffin, soft
Chloroform	Protargol
Cinchona-bark, quinine and its salts	Salicylic acid and salicylates
Coca and its preparations and alkaloids	Salvarsan
Collodion	<i>All fine chemicals</i>
Corrosive sublimate	

His Majesty in Council on September 8 decided that the italicised articles should be deleted from the list; but at the same time the recommendation of the Board of Trade was agreed to that the exportation of raw rubber, castor oil, and certain other things not in our line of business should be prohibited to all foreign ports.

in Europe and on the Mediterranean and Black Seas other than those of Russia (except Baltic ports), Belgium, France, Spain, and Portugal. Further, that there should be added to the list of prohibitions to all destinations contained in former Proclamations:

Acetanilide	Hexamethylene - tetramine
Acetylsalicylic acid (aspirin)	(urotropin) and its preparations
and salicin	
Aconite and its preparations	Hydrobromic acid
and alkaloids	Hydroquinone
Adrenin, adrenalin, and its preparations	Manumite
Ammonium sulphocyanide	Neo-salvarsan
Antipyrine (phenazone)	Nitro-toluol
Balsam of Peru	Novocain
Benzoic acid (synthetic) and benzoates	Oil of turpentine
Cantharides and its preparations	Paraldehyde
Chloral and its preparations, including chloralamin	Paraffin, liquid, medicinal
Chrysarobin	Pastilles, jujubes, lozenges, and cachous generally containing prohibited ingredients
Citrate of magnesia	"Peptone Witte"
Citric acid, alkaline citrates, and calcium citrate	Phenacetin
Coal-tar products for use in dye-manufacture	Pilocarpine salts
Diethylbarbituric acid (veronal) and veronal sodium	Potassium and its salts and preparations (including bichromate and prussiate of potash)
Dulcitate	Pyrogallic acid
Dyes and dyestuffs obtained from coal-tar	Saccharin (including "Saxin")
Emetine hydrochlor.	Santonin and its preparations
Eucaine hydrochlor.	Sulphonal
Ergot of rye and its preparations	Sulphate of zinc
and alkaloids	Tartaric acid and alkaline tartrates
Gentian and its preparations	Thymol and its preparations
Glacial acetic acid	Trional

This modification of the original prohibition is good *pro tanto*. The removal of the "fine chemicals" line ends an ambiguous and invidious state of things, which was most embarrassing to the wholesale drug-trade, chemical-manufacturers, and exporters acting on behalf of Colonial buyers. The list of prohibited articles is still, however, not justified in many particulars, and the measure of relief afforded to the trade is inadequate, because, in respect to some articles, the stocks in this country are ample to cover all possible home as well as Admiralty and War Office requirements, leaving supplies to meet the orders for the Colonies and India, which have been hung up since the Proclamation of August 10. It is understood that chemical-manufacturers, wholesale druggists, and others interested will continue to press for a greater measure of relief than is afforded by the new Order in Council.

See also "German News" and "Netherlands Notes" for similar orders as to exports from these countries.

Board of Trade Notices.

ITALY.—The export of medical products included in the Italian Pharmacopœia has now been authorised by the Italian Government.

The Commercial Intelligence branch issued on Monday a twenty-nine-page statement showing the aggregate value of hollow glassware (bottles, tumblers, etc.) exported from Germany and Austria, and the destination of the goods. Germany's exports in 1912 were valued at 2,690,200*l.*, tubes and rods included in this being valued at 22,800*l.*, but bottles are not shown separately. Among the exports of glass from Austria-Hungary in 1913, valued at 1,568,800*l.*, were bottles of natural colour, but not white, valued at 96,200*l.*, and glass rods, plates, and tubes valued at 14,200*l.* It appears also that Austria-Hungary exported glass bottles to the value of 605,800*l.* to the United Kingdom in 1913. The principal German and Austrian markets are then tabulated in the statement, but in the figures for Germany bottles are included in hollow glass, so that it is not possible to determine the value of the exports of them. Of the 96,200*l.* worth of bottles exported by Austria-Hungary 12,000*l.* worth came to the United Kingdom, it being the best customer; 1,100*l.* worth of small glass rods, etc., were also imported by us from Hungary and 800*l.* worth only of electric-light bulbs. The United States bought 9,000*l.* worth, the total exports of electric-lamp bulbs being 15,900*l.* It appears from another table that in 1913 the United Kingdom exported 605,800*l.* worth of glass

bottles, the largest purchaser being Australia with 95,900*l.* worth, the second British India 89,200*l.*, and the United States 60,300*l.* Interesting information is also given regarding German, Austrian, and British exports of hollow glassware to Colonial and neutral markets. Germany in 1912 had a total of 1,683,150*l.*, compared with the United Kingdom's 866,200*l.* in 1913, and Austria's 625,300*l.*, to the places specified, but these are not strictly comparable figures because the classifications of the goods differ in the three returns. Figures are also given in regard to purchases by Canada, South Africa, Australia, New Zealand, Hong-Kong, Straits Settlements, Egypt, Russia, Spain, Switzerland, Italy, Greece, Bulgaria, Servia, Turkey-in-Asia, Morocco, Persia, the Dominican Republic, Costa Rica, Guatemala, Nicaragua, Honduras, Salvador, Panama, Venezuela, Colombia, Brazil, Chile, and China. Any manufacturer of glass bottles, or others interested in the glass industry generally, can get a copy of this statement on application to the Director of the Commercial Intelligence Branch, Board of Trade, 73 Basinghall Street, London, E.C.

The Board of Trade have issued this week a thirty-page circular dealing with the competition with Germany and Austria-Hungary in neutral markets in painters' colours and materials (including varnish). The aggregate value of these materials exported was: From Germany (1912), 3,162,000*l.*; from Austria-Hungary (1913), 219,500*l.*; from United Kingdom (1913), 3,286,300*l.* While the United Kingdom is quite an important market for these products for both Germany and Austria-Hungary, the United Kingdom sends little to them in return. Germany's exports to the United Kingdom and the principal Colonial and neutral markets amounted to 2,112,000*l.*, or 67 per cent. of her total exports to all destinations. As regards Austria-Hungary, the exports to the same markets amounted to only 90,160*l.*, or 41 per cent. of her total exports to all destinations. A few of the exports from Germany to the United Kingdom (1912) included barytes, 98,000*l.*; zinc-white, 138,000*l.*; red-lead, 75,000*l.*; white-lead, 152,000*l.*; lithopone, 47,000*l.*; ultramarine, lakes, etc., 33,000*l.*; zinc-powder, 17,000*l.*; bronze (metal) colours, 38,000*l.*; chrome colours, 23,000*l.*; copper colours (except Schweinfurt green), 39,000*l.*

Exports Prohibition in Switzerland.

Switzerland has prohibited exports of the following products: Mercury, sulphur, antimony sulphide, nitric acid, soda nitrate, sulphuric acid, pyrites, Chili saltpetre, acetic acid, graphite, diphenylamine, dimethylaniline, barium nitrate, carbonate of baryta, magnesium, rosin, paraffin, vaseline, shellac, mineral oils, tar oils and resinous oils (petrol, petroleum, petroleum residues, naphtha, etc.); alcohol; sanitary material, especially articles for dressing wounds, and all materials used in making such articles, including unbleached and bleached cotton gauze; medicaments of all kinds, except serums and vaccines; medical and surgical instruments, apparatus, and utensils; disinfectants.

The Moratorium.

A fresh Proclamation was issued on Friday, September 4, setting forth that the extended moratorium applies to payments which became due and payable on or after September 4 and before October 4, 1914. A vital clause in the new Proclamation is as follows:

If on the presentation for payment of a bill of exchange which has before the fourth day of September, nineteen hundred and fourteen, been reaccepted under the terms of our said Proclamation dated the second day of August, nineteen hundred and fourteen, the bill is not paid, then, the said Proclamation shall, in its application to that bill, have effect as if the period of two calendar months had been in the Proclamation substituted for the period of one calendar month, and the sum mentioned in the form of reacceptance under the said Proclamation shall be deemed to be increased by the amount of interest on the original amount of the bill of one calendar month calculated at the Bank of England rate current on the date when the bill is so presented for payment as aforesaid.

Demand for Acetic Acid.

A writer in "The Financier" of September 5 draws attention to the demand that there is for acetic acid in connection with the rubber industry, as it is almost universally used for coagulating the plantation latex. Large quantities, it is believed, were shipped from Germany on English account, and the "Financier's" correspondent points out that, as there are only two manufacturers in

this country, it is doubtful if they could cope with the demand, and there is, therefore, an opportunity for the introduction of mineral acids as coagulants, especially as other organic acids which would be suitable are all of foreign make and have increased in price. Pure sulphuric acid is reported to be a safe and efficient coagulant, and possesses the advantage that it can be more readily obtained in a state of purity than the organic acids. Our contemporary's statements are based on a circular issued by Messrs. Clayton, Beadle & Stevens, analytical chemists.

Alien Enemies' Patents.

Applications to avoid or suspend patents granted to alien enemies have been made by Mr. H. S. Wellcome, Snow Hill Buildings, London, E.C., as follows:

(a). Title.—Para-oxyarylsarinic acids (No. 13,485, 1910), granted to Farbwerke vorm. Meister, Lucius & Brüning. Approximate date of hearing, September 17.

(b). Title.—Nitro-oxyarylsarinic acids (No. 5,595, 1911), granted to Farbwerke vorm. Meister, Lucius & Brüning. Approximate date of hearing, September 17.

(c). Title.—3:3'-diamino 4:4'-dioxarsenobenzene (5,865, 1912), granted to Farbwerke vorm. Meister, Lucius & Brüning. Approximate date of hearing, September 17.

Dyes for U.S.A.

The "New York Commercial" announces that practically all German dye-materials which are indispensable to American cotton, woollen, and worsted mills have been used up. Millions of men are employed in these industries, and unless adequate supplies are forthcoming many mills will perforce have to close down. The State Department has moved in the matter, and information has been received in Washington from Ambassador Gerard in Germany that that country has removed the embargo on shipments of dye-stuffs to the United States. It is stated that Germany is not only willing to permit such shipments, but has given assurance that the Rhine is open for transportation. This means that the colours will be shipped in the neutral vessels of Holland. Count von Bernstorff, the German Ambassador, has given his assurance to Mr. Bryan that his Government will co-operate to the utmost in aiding the United States to obtain and ship German dyes by Dutch liners. Representative Metz, who is familiar with the German chemical industry and transportation conditions on the Rhine, is to carry the business through.

Arc Light Carbons.

According to "Nature" the war will greatly affect the electrical industry on account of the shortage of carbons for arc lighting. There is only one factory manufacturing carbons in this country, the greater proportion of our carbons having been imported from Germany and Austria. There is one factory in France from which supplies were obtained, but it is situated at Nancy, in the heart of the war. A limited supply may be available from Spain, but no supplies can be obtained from the United States, where there is only one factory, which cannot do more than supply American requirements. Public lighting will also suffer on account of the refusal of the electric-lighting authorities to support the enterprise which twelve years ago started manufacturing carbons in this country. This carbon-factory is unable to supply more than one-tenth of the carbons we require, but if proper support had been given in the past we might have been able to obtain all our supplies independent of foreign sources. We understand that a promising effort is being made by a chemical company in the East End of London to produce the carbons.

Vaccines for the Troops.

Sir Almroth E. Wright, writing to "The Times," urges that every soldier before proceeding abroad should be inoculated against typhoid fever. Such inoculation is now, he states, a commonplace of military hygiene. He urges, further, that in view of the fact that ordinary wounds incapacitate chiefly by opening the way to bacterial infections, taking the form of suppuration and blood-poisoning, use should be made of "antiseptic vaccines" which are available. In this connection he states that the Department for Therapeutic Inoculation, St. Mary's Hospital, Paddington, W., has supplied

gratuitously 180,000 doses of "antiseptic vaccine" to the Army and Navy and to the French military hospitals. In addition the Department has, by working long hours in response to a War Office request, furnished as a contribution for the use of the Army nearly 280,000 doses of antityphoid vaccine.

Miscellaneous.

More than a hundred men of the Liverpool and London staffs of Evans Sons Lescher & Webb, Ltd., are serving with the Colours.

Messrs. Parke, Davis & Co. have liberated about fifty of their employés from Hounslow and London for service with the Colours.

The chemists of Ashton-under-Lyne are to meet the local grocers at cricket, and the proceeds will be handed to the War Relief Fund.

Mr. W. Mitchell, chemist and druggist, Bolton Street, Bury, has given six gross of tablets of soap for the use of the men stationed at the local barracks.

The exportation of feeding-stuffs for animals has been forbidden, but the Board of Agriculture are prepared to consider applications for licence to export small quantities of certain articles.

The laboratories of the Royal Institute of Public Health have been placed by the Council at the disposal of manufacturers and others who wish to avail themselves of the Institute's bacteriologists and chemists.

Taylor's Drug Co., Ltd., of Leeds, etc., have decided to pay the wives of married employés serving in the Forces 10s. per week, and a suitable allowance to the dependents of single employés. All situations will be kept open.

The Treasury announces that the size of the new 17. currency notes will be $5\frac{1}{8}$ in. by $3\frac{5}{8}$ in. The new 10s. notes will probably be slightly smaller. The first notes issued measured 5 in. by $2\frac{1}{2}$ in., and have not been a success.

A leading firm notify that prices of many raw materials used in the manufacture of surgical dressings are re-assuming normal rates, and from September 1 all goods invoiced by them under contracts will be charged at original contract rates.

Messrs. F. H. Faulding & Co., wholesale chemists, 54 King William Street, Adelaide, South Australia, and 54 Great Tower Street, London, E.C., draw attention to the number of drugs, chemicals, infants' foods, etc., on the Government list of prohibited exports. They protest that, instead of being treated the same as the enemy, our Colonies should be permitted to obtain such supplies.

The Essex Pharmacists' Association have issued a public statement with reference to the effect of the war on certain drugs, essential oils, etc. The Association inform the public that prices will only be raised in cases of absolute necessity, and where the retailers have to pay enhanced prices. They add that some of the chemicals affected will shortly be manufactured at home, and in future they will be independent of Germany for such supplies.

The case against Dr. William Norman-Bott, F.C.S. (see *C. & D.*, September 5, p. 42), again came before the Magistrate at Marylebone Police Court on September 8. The charge was one of not registering himself under the Aliens' Restriction Order. Since the remand it had been found that, owing to his doubts as to his birthplace, Dr. Norman-Bott had been naturalised. He said he married the daughter of a Bradford physician and had no interests in Germany. He was discharged.

Personalia.

Mr. Geo. S. Woolley, Ph.C., Victoria Bridge, Manchester, has given a donation of 50l. to the Manchester Relief Fund.

Mr. A. E. Hobbs, Ph.C., Mount Pleasant Road, has been elected Chairman and Treasurer of the Tunbridge Wells Drill Club, formed in connection with the war.

Mr. G. Hewitt, chemist and druggist, has been appointed pharmacist to the Ashton-under-Lyne branch of the Red Cross Society, in connection with which a course of lectures has been arranged.

Mr. Graham Lescher, M.B. (Cantab.), younger son of Mr. F. Harwood Lescher, Ph.C., F.L.S., has obtained a commission in the Royal Army Medical Corps, and is proceeding to Aldershot forthwith to take up his duties.

Mr. J. B. Purvis, Ph.C., and his son, Mr. G. B. Purvis, chemist and druggist, The Promenade, Bridlington Quay, who are both officers in the same Territorial regiment, have taken up duty, and will shortly leave for active service.

Miss Margaret Merson, daughter of Mr. G. F. Merson, Ph.C., F.C.S., Edinburgh, was in Stettin when the war broke out. She had a scholastic appointment there, and the American Consul has reported that she is well, but her father is now on the Continent endeavouring to bring her home.

Miss Edith Clarke, daughter of Mr. R. Feaver Clarke, Ph.C., J.P., Gravesend, who has been studying at the Dalcroze College, Dresden, has arrived safely in England. Miss Clarke's relatives had not received any communication from her for five weeks previous to August 31, when a marconigram arrived stating that she was on her way home.

Sir William Ramsay, K.C.B., F.R.S., who is now too old to be of use in the fighting line, offers his services gratis (as an Emeritus Professor of Chemistry) in any capacity as a chemist, if in so doing he can release anyone fit to defend his country. Sir William is, we note, just four days younger than Sir John French, leader of the British Forces in the Field.

Mr. Woolmer White, of the Timothy White Co., Portsmouth, has received private information through the War Office that his elder son, Lieut. Lynton White, is wounded, but that it is expected that he may be able to be sent to England. Mr. Lynton White is a lieutenant in the King's Dragoon Guards, temporarily attached to the Queen's Bays, which formed part of the First Cavalry Division.

Mr. Maurice Menzies, the London representative of Messrs. Pinaud, perfumers, Paris, has joined the French army, and is in the 64th Company of the 1st Zouaves, which was stationed at St. Denis when he wrote to his friend, Mr. W. R. Hart, Pharmacie Internationale, Shaftesbury Avenue, London. He said then, in French: "We are not here for long, and soon leave for the front to avenge our dead comrades. Everyone is ready here; the English are admirable." We give a portrait of Mr. Menzies in his military costume, which would have delighted the old chief of his clan, Sir Robert Menzies of Menzies, within the shadow almost of whose castle at Weem the Black Watch was raised.

Mr. C. E. Saunders, chemist and druggist, Highgate, N., one of the crack shots among Territorials, who served in the

Boer War, has again joined the Colours.

Among our visitors during the past fortnight have been two Belgian pharmacists, whose businesses have been ruined by the German invasion. One of our Belgian *confrères* is from Brussels and the other from a small town near Antwerp. Both are seeking situations in England, and they lost no time in coming to the Mecca of British pharmacy for advice. Neither can speak English, but, of course, both speak French, and if any

of our readers who are manufacturers, wholesalers, or retailers can find places for these victims of our common enemy, please let us know as soon as possible.

Mr. R. M. Hardie, manager of the Pharmacy Scott, 38 Rue du Mont-Thabor, Paris, returned to London last Friday, along with Mr. W. Green of the British and American Pharmacy, Rue Scribe, Paris. In conversation with Mr. Hardie we learnt that there is very little business being done in Paris at present, and the Rue de la Paix was a desert during the past month, but some of the international pharmacies are keeping open for a few hours each day. He states that Parisians are quite cheerful, and are prepared to sacrifice Paris to the enemy and to fight back to the limits of their country rather than give in.

News of German Pharmacy.

Since war was declared we have had no communications from our usual German correspondent, who may be under arrest. In previous issues we have, however, given items of news, and we now print paragraphs selected from the "Apotheker Zeitung," "Pharmaceutische Zeitung," and other journals of pharmacy published in Germany, the supply of which to the enemy (*i.e.* Great Britain and her allies) has been stopped.

EFFECT OF THE WAR ON PHARMACY.—An examination of the advertisement section of the "Pharmaceutische Zeitung" gives an idea of the influence which mobilisation has had on the pharmaceutical calling. In the issue of August 8 there were nineteen advertisements for substitutes for pharmacists on active service. Two owners of pharmacies also addressed themselves directly to their colleagues in order to find substitutes. In a much larger number of advertisements owners of pharmacies asked for substitutes for their assistants, who had gone on military service. All of a sudden there is a great demand for female help, which until now has been scrupulously avoided in many pharmacies. Women who have tried in vain hitherto to get occupation in German pharmacy have thus unexpectedly got a footing in it. With regard to the prospect that pharmacists who have no assistants should be obliged to leave their businesses when summoned for the Militia, the Prussian Minister of the Home Department has authorised the responsible local authority to insist that these pharmacists should ask for exemption from military service. The defence laws permit exemption from service in the Militia in urgent cases to persons who cannot find substitutes and whose civil services are indispensable to the public welfare.

Referring to the part that women are playing in holding the pharmaceutical fort, the "Pharm. Zeit." says: This female invasion of pharmacy is not hailed with joy everywhere, women pharmacists still being looked upon with distrust. A correspondent tells of a pharmacy in a small town in Oldenburg which is carried on by a certain Fraulein Bluhme, who is a pharmaceutical apprentice. The fact is mentioned in the "Pharm. Zeit." because it may become of historical interest, as it is the first time that such a thing has happened in Germany. When the Fraulein meets with difficulties she telephones to her father, who is a pharmacist, and he advises her. Nothing has gone wrong till now, says our contemporary, and happily it is only a small country pharmacy, which is carried on under these difficult circumstances. At all events, it is better for the public and the owner that the pharmacy should be carried on in this way than if it had to be closed. In war-time nothing is impossible.

MEDICINES AND BANDAGES FOR THE POOR.—The Berlin Board of Charity has warned physicians for the poor to economise medicines and surgical bandages; also not to prescribe patent medicines. The prescription of flannel bandages is prohibited, but in case of urgency only one small piece of bandage may be prescribed. Parchment-paper should be given instead of gutta-percha tissue, and the prescription of rubber articles has to be avoided. Food-stuffs and restoratives, particularly cacao and cacao preparations, condensed milk, wine, and cognac must not be prescribed, nor cinchona-wine, condurango-wine, or pepsin-wine, the last three being absolutely prohibited. Not more than 200 grams per month of malt extract is to be prescribed, and this in exceptional cases only.

WAR MEDICINES.—In consequence of the large quantities of morphine which have been claimed for the army, the price of this alkaloid has not only advanced in an extraordinary way, but there is already, says the "Pharm. Zeit." of August 22, scarcity of morphine in different places, so that many pharmacists have serious difficulties in replenishing their stocks. As under these circumstances it is impossible to rely upon new import of opium, the Minister of the Home Department has warned physicians to be as economical as possible with morphine and to use it only in cases where it is absolutely impossible to substitute it



by something else. At the same time the Minister recommended pharmacists to provide themselves with sufficient quantities of medicines and surgical bandages, with due regard to the unavoidable disturbances in transit. The "Pharm. Zeit." publishes a list of the medicines which have been stored by the military authorities in large quantities for use on the field and in hospitals. They are:

Acetyl-salicylic acid, liquefied carbolic acid, dilute hydrochloric acid, tartaric acid, lanoline, aqua amygdal. amar., Peru balsam, gypsum, camphor, quinine hydrochloride, chloral, chloroform, cocaine hydrochloride, emplastr. adhaesivum, empl. plumbi, digitalis-leaves, folia menthae piperita, glycerin, gummi arabicum, corrosive-sublimate tablets, hydrargyr. subchlor., iodoform, potass. bromide, chlorate and iodide, liquid ammonia, solution of ferric chloride, morphine hydrochloride, sodium chloride, sodium bicarbonate and carbonate, camphor oil, olive oil, castor oil, opium, lead acetate, pulv. ipecac. opiatum, pulv. ipecac. antimon., pulv. glycyrrhiz. co., pulv. salicyl. c. talco, antipyrin, marshmallow, ipecacuanha, rhubarb, sugar, sal. carolinum factitium, sebium salicylatum, spiritus aether. cum spiritu, spirit of camphor, spirit. saponatus, tinctura aromatica, tinct. opii simplex, tinct. valerianae, uug. hydrargyri, ung. plumbi.

In connection with the warning to the physicians to abstain from the use of morphine, if possible, our contemporary gives the following list of substitutes for morphine, viz.: Pantopon, opium itself and the other opium alkaloids, apomorphine, dionine, heroine, codeine, narcotine, narceine, ethylmarceine, narcotine, chelidonine, etc. Morphine may also be substituted by other soporifics—e.g., amylene hydrate, ethylene-preparations, chloral, chloral formamide, luminal, medinal, paraldehyde, sulphonal, trional, urethane, veronal, and bromides. Substitutes for cocaine are alypine, anesthesine, cuanine, novocaine, stovaine, and tropacocaine.

In connection with this matter and our note on the "Kölnische Zeitung" telegram (*C. & D.*, September 5, p. 43), we note that E. Merck, Darmstadt, writing to the "Pharm. Zeit.," states that there are large stocks of morphine and cocaine in Germany. The Government measures, adds the firm, would certainly be justified if it had inquired beforehand about the stocks of the national morphine and cocaine manufactories, or in case the prices of these alkaloids had been abnormally raised by these manufactories. Nothing of the kind has been done, however. That is why the firm protests against the Government's manner of acting, and declares in the most positive way that the German industry will be able to satisfy for a long time all demands for morphine and cocaine and for all other important medicaments. The morphine prices have undoubtedly been advanced since the beginning of 1914 in foreign countries as well as in Germany, and these advances were only due to the diminished import and the advanced prices of opium. This protest in the name of the German chemical industry has resulted in a semi-official communication of the Prussian "Medizinalministerium," in which it is again stated that at the beginning of the mobilisation and afterwards there has been such lack of morphine in Germany that large orders could not be executed, and that smaller quantities could only be had for much advanced prices. Reference to large stocks of morphine in the chemical manufactories and warehouses only proves that these stocks have been withdrawn from commerce until now, and if they are restored this will be due to the communication of the Minister of the Home Department, who called attention to other sources where morphine, etc., could be had. Of course, adds the Minister, there is no reason now to import these medicaments from foreign countries. [Germany's large imports of opium alkaloids from this country have been stopped here.—EDITOR *C. & D.*]

PROHIBITION OF EXPORTS.—The Imperial Decree of July 31 and August 1, prohibiting the exportation of medicaments, surgical bandages, medical instruments, etc., from Germany (*C. & D.*, August 8, p. 36), has been revoked, and a decree of August 29, 1914, prohibits the exportation from Germany of

Aloes, arecoline and arecoline hydrobromide, cinchona, quinine, and quinine hydrochloride and sulphate, chloroform, solutions of formaldehyde and para-formaldehyde, galls, tannic acid, ipecacuanha-root (also when it does not contain emetine), pure and impure iodine, potassium iodide, sodium iodide, iodoform, pure carbolic acid, phenol, codeine and codeine phosphate, caffeine, solutions of cresol soap (lysol), mastic and mastic preparations—e.g., mastisol, morphine, morphine hydrochloride and morphine sulphate, opium and opium preparations, such as powdered opium, tinctures and extracts of opium, pantopon, mercury and its salts, also galenic preparations—e.g., blue ointment, tablets of corrosive sublimate, etc.—salvarsan and neosalvarsan, smarubabark, tartaric acid, adeps lanae and lanoline, citric acid, wadding, gauze, and surgical bandages, rubber for rubber bandages, etc., surgical and other instruments (except dental and obstetric instruments), bacteriological instruments, material for bacteriological culture-media, such as agar-agar, peptone, litmus, etc., vaccines and serums, animals for physiological experiments. Exportation of glycerin, sodium cyanide, and potassium cyanide is also prohibited.

TRANSPORT OF MEDICINES.—Since August 17 a limited number of goods-trains for medicinal articles most wanted have been running.

THE "APOTHEKER ZEITUNG" has since August 22 been reduced to issues of four and eight pages alternately—one in the middle of the week, the other on Saturdays.

CASH PAYMENTS AND WAR PRICES.—In their trade report of August 10, 1914, Brückner, Lampe & Co. inform their buyers that they will only sell for cash in advance. Prices of several articles had advanced in the first week of the war—e.g., chloroform, glycerin, fats and oils, opium, morphine, and codeine. Manufacturers of cotton-wool, surgical bandages, gauze, etc., advanced their prices by 30 per cent., and the Federation of Manufacturers of Surgical Bandages, etc., found it necessary to explain in the "Pharm. Zeit." the reasons for this, viz.: (1) Raw material is scarce, and high prices must be paid for it, and no cotton is imported from America; (2) in the weaving factories untrained workmen have been substituted for those who have gone on military service. The Minister of the Prussian Home Department has, however, come to an arrangement with the manufacturers to reduce the advance to 20 per cent. The advance in the prices of rubber articles is 15 per cent.

The Manufacture of Phenacetin.

CONSIDERABLE inducement in the shape of large contracts has been offered to chemical manufacturers in this country to produce phenacetin. The process of manufacture is regarded as somewhat complicated, but systematically attacked the problem is not unsolvable. Phenacetin, or para-acetphenetidine, was first made about thirty years ago, and is now used in medicine in very large quantities. As this country is one of the largest users of phenacetin, the manufacture of this synthetic here is eminently desirable. The raw material used as the starting-point is phenol, which is nitrated and the *ortho*- and *para*-nitro compounds formed are separated by steam-distillation, the former being volatile. The subsequent steps in the manufacture are as follows, the quantities employed on a small scale being indicated in parentheses:

***p*-Nitrophenetol.**—The *p*-nitrophenol is first purified by dissolving the crude substance (800 grams) in hot water (8 to 10 litres), adding chalk (250 grams), filtering the solution, treating with soda (200 grams) and common salt (5 kilos.), again filtering, and setting aside to crystallise. The purified sodium compound (480 grams) is then ethylated by heating under a reflux condenser for ten hours with methyl alcohol (3,120 grams), ethyl bromide (300 grams), and sodium carbonate (100 grams). After cooling, the separated *p*-nitrophenetol is filtered off, washed with hot water until the wash-water has only a pale-brown colour, and crystallised from alcohol.

***p*-Amidophenetol.**—*p*-Nitrophenetol (212 grams) is gradually added to a solution of stannous chloride (848 grams) in hydrochloric acid (1,060 grams) at 50° to 60°. The amido-compound formed is precipitated from the solution as hydrochloride by the addition of concentrated hydrochloric acid. This is filtered off, drained, and freed from tin by dissolving it in hot water acidulated with hydrochloric acid, and placing a few strips of sheet zinc in the solution. Long colourless prisms of the hydrochloride are obtained.

Phenacetin.—*p*-Amidophenetol hydrochloride (16.7 grams), anhydrous sodium acetate (8.7 grams), and acetic acid (83 grams) are heated under a reflux condenser for three hours. The mixture is then poured into ten times its volume of boiling water and the solution filtered. On cooling the phenacetin produced deposits in pale-red crystals. These are purified by repeated filtration of the solution through animal charcoal and crystallisation, minute lustrous crystals being ultimately obtained.

An estimate of the cost of materials for 100 tons of phenacetin was given in THE CHEMIST AND DRUGGIST, December 22, 1906, p. 933. The final figure was equal to about 107. per cwt.

A COMPARATIVE STATEMENT of imports and exports for 1912-13, issued with the annual report of the British North Borneo Company, shows, *inter alia*, imports of aerated waters valued at \$41,135, against \$33,360 in 1912; opium, \$210,284, against \$319,464; and perfumery, \$16,591, against \$15,344. The exports included beeswax valued at \$4,212, against \$8,906; camphor, \$25,384, against \$30,146; damar, \$147,864, against \$159,699; gambier, \$6,170, against \$5,018; pepper and chillies, \$11,767, against \$7,302.

ENGLISH AND WELSH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Brevities.

The Sowerby Bridge tradesmen have decided to adopt a scheme of early closing during the war.

Six poisoning fatalities have been reported during the past week, three of them being due to misadventure. The poisons involved were ammonia, carbolic acid, oxalic acid, veronal, and an unknown poison.

The Liverpool medical officer of health (Dr. E. W. Hope), in his report for 1913, states that 150 samples of drugs were purchased for analysis during 1913, of which sixteen were found to be unsatisfactory. Of ninety-six samples taken informally, three were returned by the analyst as adulterated.

Mr. K. R. Thomas, chemist and druggist, Llanhilleth, Rhymney Valleys, Mon., while motor-cycling at Llanhilleth collided with a horse and trap and fractured two of his ribs, severely injuring also his head and face. His injuries were attended to, and he was removed home in a serious state.

A fire, accompanied by an alarming series of explosions, occurred at the shop of Mr. J. Hindle, chemist and druggist, Chagford, Devon, on September 3. The fire originated in an attempt to discover a leak in a spirit-drum, and Mr. Hindle was badly hurt. The fire-brigade was soon on the spot and quickly extinguished the flames.

Dover Town Council, on September 1, considered a letter from Mr. Thompson, chemist and druggist, contractor to the hospital, stating that six articles included in his contract had greatly increased in price on account of the war. The Council decided to let the matter stand over on the understanding that Mr. Thompson would be met in the matter of increased prices.

Annual Jury-lists.

Jury-lists were affixed to all church-doors in England and Wales before Sunday, September 6. They contain the names of persons who are liable to serve on juries, and will remain on the churches until and including September 20. Pharmaceutical chemists in practice as such are exempt from jury-service in England and Wales, and they should examine their local lists to see if their names occur in them; if so they should take steps for the removal of their names as directed in the lists.

Reports from British Spas.

We have received the following reports from correspondents in British spas as to the effect of the war on the summer season:

BATH.—A number of visitors have been taking the treatment at Bath since the outbreak of war as a result of the closing of the Continental spas, several of them completing a course of treatment which had had to be broken off abroad. It is satisfactory to state that visitors to Bath for the first time have been very pleased with the result of their treatment, and express the intention of re-visiting the spa. All the usual preparations are being made for the autumn season, which opens this month. The bathing establishment has been redecorated and the staff maintained at its full efficiency. The hotels are ready to receive visitors, and the Pump-room concerts will recommence as usual. It is expected that a large number of people who have been prevented from taking their usual annual cure will go to Bath this year.

HARROGATE.—Our Harrogate correspondent states that there has been a great diminution in the number of visitors, but this is to some extent balanced by the fact that many visitors to whom spa treatment is a necessity, and who have previously gone to Continental spas, are now visiting Harrogate for the first time. Harrogate will thus reap a great benefit in the future, as such visitors find that they can get even more up-to-date treatment at Harrogate than at the Continental spas. The usual visitors—Army, Navy, and commercial men—are at their posts, and instead of the 2,000 to 3,000 water-drinkers per day, there are only a few hundreds. Our correspondent is of opinion that the benefit to Harrogate will be more evident in the future.

STRATHPEFFER.—The war has had rather a bad effect here, as many visitors—military men and others—have left, and

business is reduced accordingly. It is hoped that many who would otherwise have gone abroad may visit Strathpeffer this month, and our correspondent is convinced that, in common with other British spas, Strathpeffer will benefit largely in the future.

WOODHALL SPA.—There are very few visitors who would otherwise have gone abroad. The effect of the declaration of war was to drive a very large number of visitors home, and these have not been fully replaced. Our correspondent believes that Woodhall Spa will ultimately benefit.

The Sir John Cass Institute.

The new session of the Sir John Cass Technical Institute, Jewry Street, Aldgate, E.C., will commence, as originally arranged, on September 21. The work of the Institute is specially devoted to technical training in experimental science, and systematic courses are provided in mathematics, physics, and chemistry for London University examinations, as well as courses in high technological instruction, which form a special feature. Several new departures in connection with the technological side are announced for the coming session. The curriculum in connection with the fermentation industries has been developed, and embraces several courses. A special series of connected lectures dealing with "The Supply and Control of Power" will be of particular interest to those engaged in the chemical, electrical, and fermentation industries. These will include twenty lectures on "The Supply and Control of Liquid, Gaseous, and Solid Fuel," five lectures on "Electrical Supply and Control," and five lectures on the "Transmission of Power." In the departments of Physics and Mathematics and of Metallurgy special series of lectures will be delivered, and students will be given opportunities for the investigation of problems on their own account.

London Salon of Photography.

The fifth Camera-workers' International Exhibition of the London Salon of Photography was opened on September 5 at the Galleries of the Royal Society of Painters in Water-colours, 5a Pall Mall East, London, S.W., and will continue till October 17. The Exhibition is splendidly housed, the gallery being beautifully illuminated, and the arrangement and hanging of the exhibits leave nothing to be desired. Portraiture and figure-work generally form the most conspicuous side of the Exhibition, and there are many excellent examples of this class of work. The figure-studies of Mrs. Barton, entitled "The Widow" and "Doulton Figures," and that of Mr. Bertram Park, entitled "Profile," deserve special mention. Landscapes are also prominent, several of these being of the panoramic type. Pictures which attract attention are "The Empire's Watch-dogs," by Mr. F. J. Mortimer, and impressive examples of Antarctic photography by Mr. Herbert G. Ponting, of the Scott Antarctic Expedition. There are a number of examples of colour-photography and one or two of the eccentric type. Most of the prints are shown with a large margin of mount, without frames or with only a very narrow moulding, and the result contributes greatly to the brightness of the Exhibition. It may be added that the whole of the profits of the Exhibition will be handed to the Prince of Wales's Relief Fund, and with this object in view the expenses will be cut down as far as possible and the usual entertainments and evening lectures have been cancelled.

Birmingham.

Boots, Ltd., have installed at their Moseley Green establishment an effectively lighted red lamp high up above the shop-door on the corner. It is a conspicuous object from many points of view.

The Birmingham Corporation have established a system whereby any shopkeeper may have an excellent outside lamp fitted over his shop-window and kept lighted and in repair on the hire-system at so much per quarter. It proves a great boon to the smaller shopkeeper and the beginner.

Sheffield.

Mr. J. F. Eardley, Ph.C., F.C.S., had a narrow escape on September 7, while motoring from Shireoaks. He collided with a tramcar in Cemetery Road, and only the promptitude of the driver averted a serious accident. The motor-car was damaged.

The Council of Sheffield University on August 7 decided to invite Dr. J. B. Leathes, F.R.S., Professor of Pathological Chemistry in the University of Toronto, to accept the Chair of Physiology, rendered vacant by the acceptance by Professor J. S. Macdonald of the Chair of Physiology in the University of Liverpool.

Dr. W. E. S. Turner, Lecturer on Chemistry at Sheffield University, is calling the attention of chemical-manufacturers and others interested in the chemical-industry to the opportunities now presented for the production of chemicals, etc., hitherto obtained from Germany and Austria. Those desiring to extend their business in this direction will be supplied with authoritative information as to patent-rights, the use of duty-free alcohol, etc., by Dr. Turner or Dr. J. C. Caine, of London. Dr. Turner hopes to announce in a few days an offer of further local assistance to those who may wish to avail themselves of it.

Contracts for Drugs.

New Contracts.—Tenders have been invited, with the following results:

High Wycombe Guardians.—The Sanitas Co., Ltd., for disinfectants.

Runcorn Urban Council.—Mr. J. H. Weston, chemist and druggist, for sulphur.

Southwark Guardians on September 4 received tenders for six months' supplies. In the great majority of cases the firms tendering stated they were unable to quote for a longer period than a month, and in one instance a week. For a few items there were no tenders. The tenders, together with the correspondence, were referred to the Contracts Committee.

Old Contracts and War Prices.—Contractors for the supply of drugs and other goods to Boards of Guardians continue to appeal for modification of their contract terms, consequent on the war having increased prices or stopped supplies. The Local Government Board has advised that the contracts must stand, and that compensation, if any, shall be considered when the contracts terminate or later. The subjoined items deal with fresh applications by contractors:

Greenwich.—The Guardians have decided that on the expiration of existing contracts those who had written to the Board stating they had been adversely affected by war-prices would be afforded an opportunity of conferring with them.

Merthyr Tydfil (Glam.) Guardians have had under consideration letters from their contractors as to war prices, and have decided to ask the contractors to keep to the terms of the contracts, at the end of which the differences in cost to the contractors will be considered and the Board will act honourably with all.

Newport (Mon.).—The Guardians considered on September 5 a letter from Ferris & Co., Ltd., Bristol, contractors for drugs, stating that they were unable to get delivery of certain goods owing to the war, and they were therefore compelled to claim *force majeure* in regard to their contracts. They would, however, do their best to supply the Guardians with what they required, and they suggested that the necessity of strict economy in regard to drugs of foreign origin should be impressed upon medical officers and dispensers. Albert Brown, Ltd., contractors for surgical dressings, wrote asking increased prices for certain items. The Guardians decided that, as advised by the Local Government Board, the contractors for the present will be required to supply goods at contract prices.

Whitby.—As a result of correspondence with Mr. John Brooks, chemist and druggist, contractor for drugs, the Guardians have requested him to call the attention of the medical officer to any prescriptions containing foreign drugs.

Wincarnis with Quinine.

At a meeting of the Watch Committee of the Bradford Corporation on September 1, the Town Clerk reported that the City Justices desired that the judgment of the Recorder (Mr. T. R. D. Wright) in favour of the appellant in the case *Hobson v. Farndale*, in the appeal at the Quarter Sessions (*C. & D.*, July 11, p. 42), against the ruling of the Magistrates in the recent prosecution of Mr. Hobson under the Licensing (Consolidation) Act, 1910, for selling intoxicating liquor without a Justices' licence, should be submitted for the decision of a Supreme Court, and the Committee decided that instructions should be given for the Town Clerk to take all necessary steps in that behalf. When the matter came before

the City Council on Tuesday, Alderman M. Conway moved an amendment that the recommendation of the Committee be not approved. This was seconded by Councillor J. H. Palin, and carried by a large majority. The appeal will accordingly not be proceeded with. The view of mover and seconder was that this matter is one affecting the whole country, and for the Government, rather than Bradford, to act in if desirable.

From Various Courts.

The Baintree Bench on September 2 sentenced Henry Winters, a traveller, to six months' imprisonment for attempting to obtain 1s. by false pretences from Mr. Herbert Jenkins, chemist and druggist, Baintree, on August 28. He bought a penny seidlitz powder, tendering a florin for payment, and after being given the correct change he produced 11d. and demanded another 1s., which was refused. Miss May Row, daughter of Mr. G. C. Row, chemist and druggist, High Street, Baintree, stated that the man attempted to obtain 1s. under similar circumstances from her.

At Tower Bridge Police Court on September 3, Edward Webb, a labourer, Arch Street, New Kent Road, was remanded on a charge of stealing and receiving quantities of oils of aniseed, lemon, and peppermint, and gelatin, value 124l., the property of O. Murray & Co., Ltd. Detective-sergeant Webber said that he arrested the prisoner in Arch Street the previous afternoon. Prisoner admitted he had the articles, and said two men asked him to store them. He did not know then that the stuff was stolen, and did not think anything about it until they started selling it. All the stolen property had been recovered.

IRISH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Pharmaceutical Council Election, 1914.

Intending new candidates for election to seats on the Council should note that their nomination-papers must be in the hands of the Registrar (Mr. Arthur T. Ferrall, 67 Lower Mount Street, Dublin) by 12 noon on September 21.

Pharmaceutical Society of Ireland.

Latest dates for lodging applications for the October examinations are:

Thursday, September 17, for the Preliminary examination.
Tuesday, September 22, for the Registered Druggist examination.

Wednesday, September 23, for the Pharmaceutical Licence examination.

Monday, September 28, for the Pharmaceutical Assistant examination.

Applications should be lodged with the Registrar (Mr. Arthur T. Ferrall, 67 Lower Mount Street, Dublin) by 11 A.M. on the respective dates.

Brevities.

The Armagh Guardians have referred Messrs. Boileau & Boyd's circular about war-priced drugs to the Local Government Board.

Miss Mary de Sales Magennis, B.A., has qualified as a Bachelor of Dental Surgery of the University of Dublin. Miss Magennis is the first lady in Ireland to become a qualified dentist.

Mr. John V. Kerr, M.P.S.I., has purchased the Medical Hall, Tobermory, from the representatives of the late Mr. Henry Boyes, F.C.S., Sligo, and intends carrying it on in conjunction with his business in Ballymote.

When Sir Edward Carson visited Coleraine on September 5 to further Kitchener's recruiting scheme, he was received at the railway platform by a guard of honour of the 3rd Battalion North Derry Regiment of the Ulster Volunteers, commanded by Mr. R. F. McCartney, M.P.S.I.

Latest subscriptions to the Belfast auxiliary of the Prince of Wales's National Relief Fund include Messrs. Grattan & Co., 50l.; Sir W. Whitla, M.D., 10l.; Mr. I. W. Nicholl, M.P.S.I., 5l.; Mr. J. Dundee, M.P.S.I.,

27. Mr. William McMullan, of the firm of Messrs. Thomas McMullan & Co., druggists, Victoria Street, has given fifty guineas to the Soldiers' and Sailors' Families Association, and his wife a like sum.

Among those who have joined the Ulster Volunteer Division of Kitchener's Army is Mr. Robert A. Jamison, one of the Hon. Secretaries of the Chemists' and Druggists' Society of Ireland. Mr. Jamison, as a member of the 6th Battalion East Belfast Regiment, enlisted on Saturday, September 5, and is now in camp at Ballykinlar. He belongs to the firm of Shaw & Jamison, druggists, Townhall Street, Belfast, and is a son of Mr. William Jamison, M.C.P.S.I.

SCOTTISH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Aberdeen.

Nearly forty members were enrolled at the first meeting of the Junior Chemists' Association Ambulance Class.

There is at present an exceptionally large demand for typhoid vaccine owing to the large number of soldiers who are desirous of being inoculated before going abroad.

Brevities.

The patent-medicine vendor licence-duty is being paid this week by Dundee dealer at the new address, Custom House, Dock Street, Dundee.

At the Congress of the Sanitary Association of Scotland held in St. Andrews last week, Judge John Raffan, Stirling, was elected a member of the Council.

Two foreigners were arrested in Fifeshire on September 5 through sending their photographic films to a chemist to be developed. They were handed over to the military authorities.

The Edinburgh Pharmacy Athletic Club 1914 Bowling Championships have resulted as follows: McIlwrick Cup (presented annually) for single-handed champion, Mr. J. Hardie, runner-up Mr. G. Winton; Rink Championship, Messrs. Harkness, Beaumont & Co. (skip, Mr. J. Hardie).

Kelp-making.

The report of Mr. W. R. Scott to the Board of Agriculture for Scotland on home industries in the West Highlands is issued as a Parliamentary paper [Cd. 7564, price 11½d.], and contains much interesting matter. Since 1905 there has been a marked increase in kelp-production in Scotland. The annual average in North and South Uist for the five years 1907 to 1911 has been two and a half times that of the ten years 1884 to 1893. It seems, further, that the prospects are considered good, since an advance of 10s. per ton (or an increase of about 16 per cent.) is offered for the kelp made in Orkney in 1913.

NETHERLANDS NOTES.

Cocaine is now allowed to be exported from Holland, the previous prohibition having been provisionally removed.

Prohibited Exports. The Commander of the Stronghold of Amsterdam published on August 26 a renewed prohibition of the exportation of several articles, including certain medicaments and bandages. Exemption from this prohibition, however, may be granted in extraordinary circumstances by the Commandant on the advice of experts.

War Prices.—In connection with the communication of Messrs. B. Meindersma, Sneek (*C. & D.* August 29, p. 45), we are informed that all Dutch wholesale druggists have ceased to raise prices and to demand prompt payment. Most of the manufacturers of surgical wools, bandages, etc., are, however, obliged to maintain a 20-per-cent. advance in prices.

War Medicines.—The "Pharmaceutisch Weekblad" of September 5 enumerates the medicines which are contained in the different medicine-chests supplied for military purposes. There are seven types of military medicine-chests, which contain different medicaments in proportion to the number of sick and wounded soldiers for whose relief they are intended.

FRENCH NEWS.

(From the "C. & D." Paris Correspondent.)

Since our issue of September 5 we have received from our Paris correspondent two despatches, and now give a selection from them, reserving other items for next week.

THE PHARMACIE DES PYRAMIDES, 9 Rue des Pyramides, Paris (Carteret & Co.), remains open. There is an English assistant who conducts the English and American part of the business.

ON THE FIELD OF HONOUR.—Among the officers killed at a recent battle between the Anglo-French forces and the Germans in the Meuse district was M. Louis Moissan, B.Sc. He was an officer in the Reserve of the French Army, and the only son of the late Professor Moissan, the distinguished chemist.

FRANCO-BRITISH TRADE DURING THE WAR.—The British Chamber of Commerce issued the following statement on August 18:

"In order to alleviate the anxiety felt by British firms having interests in France as to the situation of their stock, book-debts, etc., the British Chamber of Commerce, 9 Rue des Pyramides, Paris, notifies that it has formed a special department to respond promptly to all inquiries received from England in this respect, and has a list of responsible men who could be employed in case of need for safeguarding as far as possible the individual interests of British houses."

BORIC ACID. M. Savariaud informed the Academy of Medicine, is not so absolutely safe as is generally imagined. Used in small quantities in the form of powder, it offers no risks, but sprinkling an open wound with the acid may bring about regrettable results, especially in the case of children of tender age. He cited the death of a child, caused by a 10-per-cent. boric ointment being used to dress a burn, and another in which the child lay for several days in a critical condition. Its life was saved, but traces of the acid were observable in the urine a week after the last dressing.

THE PHARMACISTS' ASSOCIATION of the Lot Department is publishing, by subscription, a work in defence of the trade, entitled "Modern Pharmacy and Pharmaceutical Evolution," by M. Paul Garnat, pharmacy inspector, Secretary of the Association. A portion of the contents has already appeared in various French journals of pharmacy. The subjects treated include: Pharmaceutical educational reform and reorganisation; the student crisis and the necessity of abolishing the seven-teen preparatory pharmacy schools; the renovation of the "Internat" class; the evolution of the financial situation of pharmacies (1837-1912); hints for limitation, etc.; projected pharmaceutical legislation; patents and price-protection; foreign companies; *prête-noms*; the influence of non-pharmacists (capitalists and speculators); co-operative and trade questions, etc.

SUMMER THIRST.—Dr. Carles, pharmacist, of Bordeaux, publishes in a French journal of pharmacy a short and topical study on the physical action of intoxicating liquors. In the North of France, he states, some beer-drinkers absorb 2 gals. and more in an evening without injury to their health. Were they to drink the same quantity of alcohol in the form of brandy they would be dead-drunk. If they took it pure they would be killed on the spot. The first point is, therefore, to drink, by choice, alcohol in a highly diluted form. Secondly, it should never be drunk on an empty stomach. "One may become a drunkard by drinking daily, when fasting, a glass of the best white wine, while several glasses of the same wine may be partaken of daily at table without regrettable results." If these two precepts be observed, the "impurities" and additions made by distillers, etc., to liquors, about which so much has been written, may be ignored. The Frenchman's cognac in his café, the old-fashioned gin-laced tea, etc., thus have their *raison d'être*.

DUTIES ON FISH OIL.—Sixty members of the Chamber of Deputies have, it is stated, signed a petition in favour of the abolition of the French Customs duties on fish

oil. The French soap and stearin trade, which yearly handles some 625,000 tons of merchandise, has been sorely handicapped by recent scientific discoveries. Fatty substances which once supplied it with abundant raw material are now deodorised, neutralised, and used for alimentary purposes. The remedy seems to be to utilise liquid or fluid fatty substances. Professor Sabatier's catalytic process would, it seems, permit fish oil to fill the gap. The hydrogenisation of such oils is a flourishing industry in many foreign countries. France boasts but one factory. In Italy the duties have just been abolished, in order that manufacturers may profit by Sabatier's process. In France fish oils are subject to an import-duty representing 15 per cent. of their commercial value, which prevents home manufacturers from reaping the benefit of the discoveries of the French Nobel prizeman.

THE REVISION OF WEIGHTS AND MEASURES is at present one of the preoccupations of our legislators. The Chamber of Deputies, the Senate, the Special Parliamentary Committee, and the Academy of Sciences are all being consulted previous to the issue of new official regulations by the Conseil d'Etat. A rumour has been current that the litre is to be abolished. M. Lallemand has, it seems, persuaded the Academy of Sciences that it would be advisable to replace measure by weight in the case of liquids. Oil and paraffin are already sold by the kilo., wood and fuel by the 100 kilos. or 1,000 kilos. instead of by the old-fashioned "stère." The litre does not represent exactly a kilo. of pure water at its maximum of density. The difference, $\frac{1}{1,000,000}$, may, indeed, be ignored in practice. The real objection is that the dual system (of measure and weight) is useless. Scientists may criticise and legislators legislate, but one may venture to prophesy that it will be some time ere the Parisian workman leaves off talking about his cherished "litre." It is true he still counts in "sous." He ignores the nimble but elusive centime; the franc is a twenty-sou piece, and I can still remember how the expression "a piece of a hundred sous" puzzled me when I first came over. It is, of course, simply the huge five-franc "cartwheel" which we have lately been condemned to carry through the scarcity of gold.

SALE OF MEDICINES TO DOCTORS.—At a recent meeting of the Société de Thérapeutique M. Bardet drew attention to the question of the supply of medicaments to doctors. Up to the present medical men had the right to procure poisons either from pharmacists or druggists. The Court of Appeal, however, recently decided that poisonous substances may only be delivered to the persons specifically cited in the Law of October 26, 1846. Doctors do not appear in this list, and the druggist or pharmacist may only deliver poisons to the patient for whom they are prescribed. As every doctor is now bound to have at his disposal such substances as serums, ampoules of morphine, cocaine, caffeine, atropine, ergotin, and other urgent remedies usually administered by him personally, the following resolution, drawn up by Drs. Granjux, Chassevant, and Desesquelle, and recently voted *nem. con.* by the Parisian Medical Association, was adopted by the Therapeutical Society:

Druggists and retail pharmacists should be authorised to deliver to doctors, for their professional practice, medicaments of every kind, including preparations of poisons, on presentation of a dated and signed demand stating that the articles are required for professional needs.

THE "JOURNAL DE PHARMACIE ET DE CHIMIE" of September 1 was delivered in London on September 7. It contains the following original communications: "Preparation. Essential Properties, and Estimation of Carbon Tetraiodide," by M. M. Lantenois; "Variations of Gluten," by MM. Marchadier and Goujon; "Study of the Most Appropriate Experimental Conditions for the Preparation of Methylglucoside and of Ethylglucoside," by M. A. Aubry. Dr. H. W. Zahn's paper in the "Deutsche Med. Wochenschr.," 1914, p. 1273, on *gelonida somnifera*, a new hypnotic, is abstracted. According to Drs. Zahn and Kaiser, the tablets named as above are composed of codeine phosphate 0.01 gram, veronal sodium 0.25 gram, and calcium ervasin 0.25 gram. Ervasin is acetyl-cresotinic acid. The issue contains no reference to the war.

LEGAL REPORTS.

TRADE LAW.

Restraining a Former Employé.—In the Chancery Division, Dublin, last week, an application was made to the Lord Chief Justice, acting as Vacation Judge, on behalf of Messrs. Richardson & Fletcher, chemical-manure manufacturers, Ringsend, Dublin, for an injunction restraining the defendant, Mr. John J. Bergin, pending the hearing of the action, from entering the employment of Messrs. MacDonagh & Sons, Galway. It was stated that Mr. Bergin had been employed by Messrs. Richardson & Fletcher as a canvasser at a salary of 150*l.* a year, and that he had made an agreement with the firm not to enter the employment of any person or persons carrying on the same or similar business in Ireland for one year after the termination of his employment with the plaintiffs. It was alleged that Mr. Bergin had obtained employment with Messrs. MacDonagh & Sons after having left the plaintiffs' employment. The Lord Chief Justice granted an injunction pending the hearing of the action, and directed that the costs of the application should be the costs in the cause.

Acetanilide in Seidlitz Powders.—At Portsmouth on September 8, the hearing was resumed of the charge against Douglas Milton King, 21 and 23 Cottage Grove, Southsea, carrying on business there as the Lilly Powder Co., Portsmouth, who was summoned (*C. & D.*, August 29, p. 48) under Section 20 (6) of the Sale of Food and Drugs Act, 1899, for giving in respect of two seidlitz powders a false warranty in writing to the effect that the said seidlitz powders were made in accordance with the British Pharmacopœia, whereas they contained acetanilide, a substance foreign to seidlitz powders. The Town Clerk prosecuted, and Mr. George Hall King defended. It appeared from the evidence that a traveller employed by the defendant sold a box of seidlitz powders to a grocer in Landport, who sold eight of the powders to an agent of the food and drug inspector, and the public analyst found that the blue papers contained a mixture of acetanilide 50 per cent., sodium bicarbonate 47.6 per cent., and the balance moisture. For the defence, Mr. King said the trouble arose from the mistake of a woman packer, and the defendant had already paid heavily for it, having had to pay 30*l.* damages in one case, and damages in two others where the powders had been taken with serious, though not fatal, results. He had also recalled all the powders. The Magistrates considered the offence serious, seeing that each blue powder contained 75 grains of acetanilide, but, taking into consideration the punishment to which Mr. King had referred, they inflicted a fine of only 5*l.* and costs.

An Analyst's Fees.—In the City of London Court, before Judge Rentoul, K.C., on September 8, a claim was made by Mr. Matthew J. Cannon, F.C.S., 16 and 17 Devonshire Square, Bishopsgate, against C. W. Christinson, of Bulpam, Essex, to recover four guineas for professional services rendered as analytical and consulting chemist. The plaintiff charged 1*l.* 1*s.* for analysing two samples of basic slag and 3*s.* 3*s.* for attending the court to give evidence on defendant's behalf. After hearing the evidence, his Honour remarked that if the defendant had definitely arranged to pay the plaintiff 3*l.* 3*s.* he would be liable to pay it, but he had not done so. Plaintiff was simply charging what the Court might think right to allow. It was usual enough to talk outside the court with counsel and solicitor when a chemist was going to give evidence in court, but that was to the advantage of the witness as well as the litigant that it should be known what the witness was going to talk about when he got into the box. The plaintiff said in the whole matter the defendant was guided by the advice which he gave. There were numerous interviews previous to the action and conversations on the telephone, and his Honour thought 3*l.* 3*s.* seemed a large fee in the circumstances. There were a good many things in this life that could not be charged for. Plaintiff: I frequently get more than 3*l.* 3*s.* for a fee. Judge Rentoul: If you make a bargain. It would be wise to get a note of your fee initiated by the person whom you appear for, but I do not think I have any power to give a fee of that sort. You claim simply attending court 3*l.* 3*s.* Plaintiff: That is the ordinary way of putting it. Judge Rentoul: I am bound by the particulars. That is my difficulty. The length of time one is kept in court does not affect the matter much. A man would be entitled to the same fee if he got away in ten minutes as if he were here all day if he had given his evidence. Ultimately his Honour suggested that the parties should compromise the matter, and that the plaintiff should be paid 2*l.* 2*s.* in all. That was the fairest way out.

LIMITED COMPANIES.

New Companies Registered.

P.C. means Private Company and R.O. Registered Office.

COPRA CRUSHERS, LTD. (P.C.).—Capital 5,000*l.*—The subscribers are A. M. MacColl, Colonial-produce broker, and F. G. Coppin. R.O., 62 London Wall, E.C.

IODELL CHEMICAL CO., LTD. (P.C.).—Capital 500*l.* Objects: To adopt an agreement with W. L. Ingham, to carry on the business referred to therein carried on by the said vendor as "Ingham & Co.," and that of chemists, druggists, pharmacists, manufacturers of and dealers in medicinal preparations, remedies, ointments, antiseptics, and stimulants, etc. T. Hogg, racehorse trainer, and W. L. Ingham, Wymondham, Worcester Park, chemist, are the subscribers and first directors.

Company News.

PUBLIC SERVICE STORES, LTD.—This company has issued a prospectus, from which it appears that the directors are Mr. Lindsey Clonnell (managing director), partner in the firm of Lindsey Clonnell & Co., purveyors to the House of Lords, 20 Hart Lane, E.C.; Mr. Walter J. Sherrieff, Civil servant, 62 Cromwell Road, Wimbledon, Hon. Treasurer to the Civil Service Federation; Mr. Lachlan F. C. Maclean, Chennies, Bucks, who was an officer of the London County Council (Education Department) and one of the founders of the L.C.C. Staff Association; Mr. Arnold Foster, The Elms, Addington, near Hythe, chairman of the Municipal Mutual Insurance, Ltd.; Mr. Bernard Bursill, Oak Lawn, East Sheen, a clerk in the employment of the Camberwell Borough Council; and Mrs. Corbet Ashby, B.A., 33 Upper Richmond Road, Putney, a member of the Wandsworth Board of Guardians. The secretary is Mr. Alexander Doig, and the registered office of the company is 20 Hart Lane, E.C. The capital of the company is 25,000*l.*, in 1*l.* shares, of which 18,000 are offered. The prospectus states that the company has been founded for the following main reasons:

(a) To take advantage of the enormous collective purchasing power possessed by the large body of public servants, with a view to counteracting the increased cost of living;

(b) To supply commodities of every description direct from the producer to the consumer, with the consequent elimination of intermediate profits;

(c) To consolidate, regularise, and improve the numerous casual trading arrangements already existing in various forms in public offices; and

(d) To provide other services of special importance to its members, and to promote and conserve co-operative action among public servants.

The prospectus states that the tendency under modern conditions is increasingly in the direction of the establishment of the well-known types of great retail stores and of multiple-shop companies, but this company has been established to ensure an equitable division of profits between the two classes—co-operating shareholders and co-operating customers—who between them contribute to the success of the undertaking. Arrangements are in progress for the acquisition of a lease of suitable premises in a central position for stores, and plans have been approved for structural alterations.

BANKRUPTCY REPORT.

Re Albert Henning, Leytonstone and Snarebrook, General Manager to a company.—The adjourned first meeting of creditors in this case was held before Mr. W. P. Bowyer, Official Receiver, at the London Bankruptcy Court, on September 4. The debtor formerly traded as a chemical manufacturer, under the style of Hedley & Co., and in August 1910 he sold the business to Hedley & Co. (Leytonstone), Ltd., of which he now acts as general manager (see *C. & D.*, August 15, p. 40). Replying to the Chairman, the debtor said he was unable to submit any proposal. He considered that his shares in the company ought to realise 2,000*l.*, but Mr. Batty, a creditor, expressed the opinion that the business of the company would only realise about 200*l.*, and as the debtor held the whole of the shares, anyone purchasing them would assume control of the business. The Chairman remarked that there ought to be a good opening for chemical manufacturers in this country now that supplies from Germany had been cut off. He understood that all the fine chemicals were made in Germany, and especially was that so in the case of photographic chemicals. The case was left in the hands of the Official Receiver to be wound-up in bankruptcy.

BIRTHS.

Authenticated notices are inserted without charge.

WELLS.—At 41 Stone Street, Maidstone, on August 30, the wife of Wm. Geo. Wells, chemist and druggist, of a son.

WINK.—At 10 Richmond Road, West Wimbledon, on September 3, the wife of Ian Wink, of a daughter.

MARRIAGES.

Authenticated notices are inserted without charge.

BATHE—GORWYN.—At Old Tor Church, by the Rev. J. T. Jacob, on September 9, Wilfrid Henry Bathe, son of Mr. William Bathe, pharmacist, Torquay, to Doris, eldest daughter of Captain and Mrs. A. J. Gorwyn, "Throleigh," Teignmouth Road, Torquay.

HOLIDAY—ROBINSON.—At St. Mary's, Barnard Castle, by the Rev. J. Darley, on September 1, Thos. W. Holiday (Holiday & Co., manufacturing chemists, Durham) to Caroline Robinson, Sunderland.

RUSCOE—MITCHELL.—At St. Luke's Church, Bolton, on September 7, A. Percy Ruscoe, Little Hulton and Ashton-in-Makerfield, to Isabel, only daughter of Mr. C. E. Mitchell, chemist and druggist, The Pharmacy, Doffcocker, Bolton.

SIMPSON—ANDERSON.—At St. Mary's Parish Church, Dundee, by the Rev. A. W. Fergusson, assisted by Rev. W. A. Dunbar and Rev. J. F. Linn, Airlie, on September 5, David Simpson to Emma Alexander, daughter of the late A. B. Anderson, chemist and druggist, Dundee.

SPARROW—EGERTON.—At St. Thomas's Church, Rhyl, by the Venerable Archdeacon Lloyd, on September 5, Tom Rosson Sparrow, chemist and druggist, Bridgnorth, Salop, to Margarita Janet, daughter of Mr. and Mrs. C. Egerton, Rhyl.

STYLES—CHITTENDEN.—At All Saints', Bloxwich, Staffs, on September 7, Walter P. Styles, Ph.C., to Mary Marjorie, only daughter of Mr. Edward Chittenden, Walkern, Herts.

WHALLEY—ROBERTS.—At St. Matthew's Church, Hyde Park, London, on September 1, Alfred Boydell Lambe Whalley, managing director of Alfred Whalley, Ltd., chemists, Sale and Manchester, son of the late Mr. John Whalley, chemist and dentist, Darley, Harrogate, to Florence, only daughter of Mr. Thomas Roberts, Blenheim House, Princes Square, Hyde Park, London.

DEATHS.

Authenticated notices are inserted without charge.

ASHMORE.—In a nursing home at Woking on September 6, suddenly, after an operation, Mr. Thomas Digby Ashmore, fourth and eldest surviving son of Mr. Charles Townshend Ashmore, aged fifty-two.

COATS.—At Durban, Natal, on September 1, from pneumonia, Alice Barbara, wife of Mr. Alexander Craig Coats (Lennon, Ltd.), formerly of Edinburgh.

HUGHES.—On July 19, suddenly, of heart-failure, Elizabeth, the beloved wife of Mr. Joshua Prosser Hughes, head of the firm of Hughes & Sons, chemists, Abercorn, and branches. Mr. and Mrs. Hughes had only recently celebrated their golden wedding, and most of their married life had been spent at Abercorn. The deceased lady was greatly respected in the district. Mr. Hughes has, to share his loss, three sons, all connected with pharmacy and medicine—Mr. C. L. Hughes, Mr. J. A. Hughes, Ph.C., F.C.S., and Dr. David M. Hughes, M.B.Lond., F.R.C.S.—as well as two married daughters.

HUMPHREYS.—At Margaret Hall Nursing Home, Upper Tulse Hill, London, S.W., on September 2, Mabel Mary, daughter of Mr. A. J. Humphreys (Messrs. Blyton, Astley & Co.), and sister of Mr. E. B. Humphreys, chemist and druggist, Upminster, Essex, aged thirty.

LAMBERT.—At Hull, on August 14, Mr. Oliver Lambert, chemist and druggist. He passed the Minor examination in July 1883.

OVEREND.—At Bradford, on August 23, Mr. Henry Overend, chemist and druggist, aged eighty-two.

SCOTT.—At the residence of his sister, 66 Edgedale Road, Sheffield, Mr. Ebenezer Scott, chemist and druggist, late of Nottingham.

SPENCER.—At Wimbledon, on August 24, Mr. William George Spencer, chemist and druggist, aged seventy-two.

TRUMAN.—At Aldwick Road, Bognor, on September 4, Alice Maud Mary, wife of Mr. Frank Wilton Truman, chemist and druggist (Poingdestre & Truman, Bucklersbury, London, E.C., and elsewhere).

AUSTRALASIAN NEWS.

The Commonwealth.

TRADING WITH THE ENEMY.—The High Commissioner of Australia has had various communications regarding the protection of British or Australian-owned goods shipped in enemy vessels before the declaration of war, and the Secretary of State for the Colonies telegraphed to the Governor-General of the Commonwealth of Australia on August 23 that goods so consigned may be released at instance of owner under Order XIII. of new Prize Rules unless such goods are contraband of war shown to have enemy destination. Goods consigned to person in enemy country should not be released unless shipped at risk of consignor and before outbreak of war. Where shipped at risk of consignee the goods are liable to confiscation as enemy property. In such case goods should not be released even if it is desired to assist British claimants, since the latter would not secure good title. It is recommended in such cases that goods should be condemned and vested in the Crown, which could then release if thought fit to consignors, who could appear in proceedings for condemnation and urge equitable claims. No definite information can be given in regard to German goods paid for by British or Australian merchants and shipped to Australia by German vessels now detained in Antwerp.

OPIMUM-ORDER ALTERATIONS.—The Department of Trade and Customs has issued important alterations in the regulations regarding the importation and sale of opium by licensed importers. Dispensing chemists may now import preparations of opium suitable for converting into smoking-opium on providing security in the sum of 100l. The following is the information officially supplied to assist in checking sales by licensed importers:

(1) (a) The average amount of gum opium required in a retail pharmacy of ordinary business would not exceed $\frac{1}{2}$ lb. annually, unless the pharmacist prepared his own tinctures and fluid extracts of opium. It is very unusual for retail pharmacists to do this, almost all retail pharmacists depending on the wholesale druggist firms for supplies of tinctures, etc.

(b) An average pharmacist would also require annually:—

Solid extract of opium ...	2 oz.
Liquid extract ...	5 oz.
Tinct. opi ...	8 lb.

The latter is the principal preparation of opium used in pharmaceutical practice.

(2) Disposal of large quantities to ordinary chemists should be at once inquired into. Larger requirements of hospitals and friendly societies' dispensaries should be recognised.

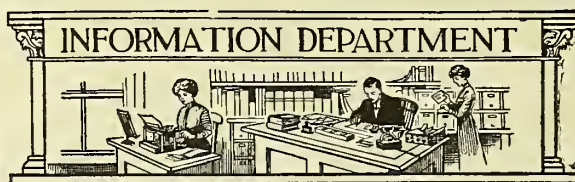
(3) No restriction is to be placed on the supply of the drug for perfectly legitimate purposes, but the issue of large quantities to retailers must be satisfactorily explained.

(4) Licensed importers of opium must obtain from retail purchasers of opium an undertaking that no opium or preparation of opium, as specified in List 1 of G.O. 947 (c), will be issued for other than *bona-fide* medicinal purposes, and that it will not be sold under circumstances which indicate the possibility of use for smoking-opium. The undertaking, when once furnished by a purchaser, will be held to cover all his subsequent transactions.

(5) The books kept by licensed importers are to show the description, quantity, and date of supply of each opium preparation disposed of to each customer. Such books are to be inspected during the first week in each quarter.

(6) A monthly return of all opium sold by licensed importers to purchasers in other States is to be prepared by the collector in the issuing State, and copies of the return forwarded to the Collector in the consuming State. It may thus be ascertained whether any purchaser has been supplied with what might be regarded as a quantity in excess of the legitimate requirements of his business.

The raiding of premises in search of opium is to be left in the hands of the police under the State laws, unless special circumstances justify the Collector of the Department in taking action.



Postal Address:

C. & D. INFORMATION DEPARTMENT, 42 Cannon Street, London, E.C.

Telegraphic Address: "CHEMICUS CANNON LONDON" (two words).

Telephone Number: BANK 85a (two lines).

INFORMATION WANTED.

Inquiries are still pouring in for the names and addresses of actual makers in this country of chemicals and pharmaceutical requisites. A great deal of useful information has been received, but trustworthy particulars are still wanted regarding actual makers or first-hand sources of supply (outside Germany and Austria) of the following articles:

Adeps lanæ	Feeding-cups	Photo lenses
Automatic spring	Gallic acid	Potashes
measuring - tapes	Galvanic batteries	Potash perman
(76/4)	Glass funnels, spirit	ganate
Bone mounts (for	lamps, etc.	Pyrogallie acid
feeders)	Glycerin syringes	Scientific instru-
Chemical glass-	(hard rubber)	ments
ware	Hypodermic syringes	Shaving mugs
Chloral hydrate	Lactometers	Spitting flasks
Corn-planes	Lanolin	Vacuum flasks
Electrical appli-	Methyl alcohol	Wooden connections
ances	(pure)	(for feeders)
Epsom salt (crude)		

Postal or telephone information respecting the agents for or makers of the under-mentioned articles is likewise solicited:

79/25. Chilver's "Rhozozone."	69/40. "London Extract of Mus-
79/24. "Sodamine."	tard"; supply.
78/74. Laxative fig-chocolates	69/402. "Pine Tree" brand
(Hamilton James & Co.).	petroleum emulsion with
80/18. "Oil of inguinol."	hypophosphites.
71/74. "Crispus" toilet-paper.	69/400. "Deavenport's Spe-
83/65. "Bluc Gum" asthma-	cific"; makers.
cure.	69/26. Dr. Breguet's ferments
84/52. "Atkinson" soda-foun-	(laxative); supply.
tain.	66/8. "Selimite."
83/650. "Argentide"; supply.	66/800. Bell's bottle-caps.
81/18. "Iguana oil."	66/802. Nozoline nose-ointment.
81/12. "V. M. Co.'s Green	66/803. Freeman's dog-rusks.
Seal" brand zinc oxide (in	70/17. Ampurin.
barrels).	71/34. "Zenolia" (Red Cross).
81/49. "British Diastatic Foods	73/29. "Floradont."
Co."; address.	75/14. Colling's Herbal oint-
67/43. "Parget Plaster Mfg.	ment.
Co."; address.	85/18. "Palm Leaf" toilet-
68/60. "John Bull" soap.	paper.
67/71. "Nedine" or "Kedine."	85/19. Glass tube drawers (for
	chemical glassware).

INFORMATION SUPPLIED.

During the past week inquiries respecting the following articles have been answered. The information will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.:

81/65. Acetanilid.	79/271. Clery's asthmatic
80/30, 81/11, and 81/65. Acetyl	powder.
salicylic acid.	83/18. Colgate's agents.
81/15. Ampoules (empty and	76/4. Cut-glass toilet-bottles
filled).	(British).
77/66 and 84/53. Anilin dyes	83/67. Dalby's (James) car-
(British makers).	minative.
79/272. Astier's granulated kola.	82/23. Diabeteserin.
80/4. Atomisers (American	81/590. Electro-medical x-ray
make).	apparatus.
79/272. Boissay's Saponaceous	79/270. Elixir Alementaire
pills.	Ducro.
70/66. British natural mineral	79/44. Esanofele.
waters (aperient).	79/51. Euseptol.
79/274. Boujean's ergotine.	82/59. F.S.M.C. examinations:
81/63, 81/46, 82/35, and 83/47.	tuition.
Bronzed douche-cans: makers.	80/19. "Fakir" nail-polish.
82/46. Brusson Jeune gluten	82/47. Faulkner's calf vaccine.
bread.	79/70. Figen.
82/35. Cachets: empty.	79/67. Filter papers "Mill
82/35. Camel-hair brushes	633."
(British).	83/61. Fluinol.
79/64. Celluloid eye-shades.	83/25, 79/65, 79/72, and 81/65.
82/13. Celluloid poultry-rings	Formaldehyde (Canadian).
(coloured).	79/61. "Four Courts Briar
81/69. Chemical glassware.	Violet" face-powder.

OBSERVATIONS AND REFLECTIONS.

By Xrayser II.

The Capture of German Trade

may be either defensive or retaliatory, and it is desirable that we should not confuse these two aspects of the question. The distinction may, indeed, be thought more apparent than real, but it serves to show the spirit in which the work should be undertaken. Our duty to ourselves and our country demands that we should no longer depend upon Germany for the supply of our necessities, but it would be extremely bad policy to engage in a trade war not necessary to our safety. Long as the present war may last, a time will come when we must resume friendly relations with our enemies, and the sooner that time comes, and the more complete the friendship, the better it will be for both parties. These considerations justify the Government's action in merely suspending, not confiscating outright, Germany's patent-rights in this country, to which it has been objected that unless these rights are permanently destroyed British manufacturers cannot embark on the (to them) new industries affected without risk of ultimate loss, since, after all the expense of capital and effort, trade in these goods would inevitably in large measure revert to Germany when the war is over. Possibly this is true, but the alternative is the continuance of the war on other lines—that is, as a trade war that would prove almost as disastrous to commerce as the present state of things. We are bound to supply our present necessities in any way open to us, but, looking to the future, the true policy to pursue is not to aggravate any unavoidable bitterness that may remain when peace is concluded by direct attacks upon particular industries, but to prepare ourselves to compete with Germany on equal terms. Government can give us but little help in this direction; it rests with individual men and women to equip themselves for success in business as in other walks of life. Here, as elsewhere, we must work out our own salvation if it is to be permanent, as the occasion demands that it should be.

Advances in the Price

of drugs caused by the war must not be attributed wholly to the absence of supplies from Germany and elsewhere, for not a little influence must be exerted by the extraordinary policy being pursued by the Board of Trade in the matter of export of drugs, crude and made up into preparations, of which the prohibited drugs form only a fractional part. This policy not only stops the export of the drugs concerned, but of hundreds of other drugs, which may be of enormously greater value to the trade as a whole, and the stoppage of which does not appreciably relieve the situation. This is a short-sighted policy, for the effects are in the first place to throw a large number of people out of employment, and, secondly, to raise the cost of prohibited drugs still further. Laboratory fixed charges remain the same, and spread over a business reduced by, say, one-half owing to export having been stopped, they must be charged against home business actually done, and thus the ratio of "on-cost," as it is sometimes called, may be doubled. Hence the Government policy defeats itself in every way, and so far from keeping down the prices of drugs actually tends to increase them.

The Lack of Practical Men

in Government Departments is never more clearly seen than when an occasion such as this arises. Had the Board of Trade been in direct touch with a man who understood the drug-business, the confusion and loss that have already been caused to the wholesale trade of the country could not have occurred. I gather from what appeared in your last issue that little progress has been made in getting ahead with authorising the exports of the doubtful drugs, and if a move is not soon made it is going to be a real tragedy. "Business as usual" is a fine cry, and no one can voice

it better than the Chancellor of the Exchequer; but when by the acts of inexperienced men in the public service business can be strangled, just at the very time when we ought to be trying to get hold of export trade that is going a-begging, the outlook is far from encouraging.

Further Careful Study

of the "Patents" Report leads me to modify to some extent my previous criticism of this document. It makes out a case for special legislation, if only because it shows that existing laws could not be effectively applied. Even if they were amended for this purpose, it would be necessary to add a new enactment compelling the publication of formulae, the effect of which would, in the opinion of the Committee, be unjust to proprietors without affording any real safety to the public. The new legislation proposed is not, as I said last week, unreasonable in the main, and I, for one, would willingly see the acknowledged evils of the present system checked, though it were at the cost of a little over-stringency. But the Report, as a whole, exaggerates these evils; it is not so well arranged as to make the scope of particular criticisms always clear, and in one or two places it shows an extra-judicial bias against the trade. Thus it declares that references to the name of the proprietor on the Government stamp, as insuring security to purchasers, are obviously meant to imply some sort of official guarantee of the value of the medicine, whereas the only "obvious" intention is the avowed one of guarding against spurious imitations. The remark on p. xi., to the effect that when the maker claims some special virtue for an undiscovered ingredient, it is because he could not claim it for a known one, is, again, biassed and unfair. Upon the whole, however, I do not think we need regret this Report, much as we may resent some of its implications. The very fact that it so obviously exaggerates admitted abuses is reason enough for believing that it will not be accepted by Parliament without considerable modification.

The Medicine Act of 1783

caused, if I do not misread Bell and Redwood, less "worry" than the amending Act of 1802, by which its provisions were extended from private nostrums and patent specifics to include many common remedies and articles in daily use, such as blistering ointment, lozenges in packets, tooth-powders, nitre-drops, tincture of Turkey rhubarb, and so on. This Act brought about the coalescence of the apothecaries and druggists for the purpose of securing its amendment, which was not actually achieved until the date you name, 1804. But even then the trouble was not over, thanks to the alleged misconstruction of the Acts by the Commissioners of Stamps. The agitation thus roused resulted in 1829 in the formation of "The General Association of Chemists and Druggists," which existed for several months, but was broken up when an alteration of the law put an end to the grievances which had called it into being. It is in such ways that Governments occasionally weld people together, and unjust laws make ultimately for a more assured liberty. Of course, the ill-considered Act of 1783 was the primary cause of all the "worry."

The Anticipations

formed regarding the character and probable value of Dr. Tocher's statistical return in relation to Insurance prescribing have been fully realised, and I make bold to say that the Scottish Insurance Commissioners have now a weapon which they can wield to advantage when they take the prescribers of expensive drugs in hand. I sincerely hope that Dr. Tocher's examination has covered every Insurance district in Scotland, even those where there is no discounting, and that steps will be taken to bring home to all concerned exactly where the fault lies. If a thorough remedy can be found in Scotland the same method must be applied to the predominant partner.

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Index Folio 398

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LIQUORS

Editorial Articles.

The Winter Session.

"The nights are creeping in." One hears this everywhere, and the sun's setting is to the eye what this phrase is to the ear. The shop has to be lighted earlier; the office day seems to lengthen out, and were it not that the war has subdued the tennis-courts, thinned the cricket-fields, and depopulated the golf-courses, none of us would need to be told that Autumn is upon us and Winter is nigh. And what of the Winter? One thing only is certain: No man alive can tell from personal experience what a war-winter will be. We conjecture, we dread, we plan. We know nothing, but feel that we may have a very bad time—the affluent struggling to make ends meet; the poor courageous yet profligate of spirit while facing want. The prospect seems exactly one when the best thing that every man can do will be to keep his own end up—to keep at it, and to keep in. And what of the mass, the drug-trade collectively? It is believed to be better organised to-day than it has ever been in the knowledge of the oldest among us. In saying so we accept the statement as a fact, and thank God that in such a crisis in the affairs of nations as the present the British drug-trade is an organic whole, united in the wholesale through the Drug Club, and in the retail through local Chemists' Associations in every important centre of Great Britain in touch with the statutory body. Also in Ireland there is associated representation in accordance with the needs of the country. So that, as the winter approaches, when chemists are accustomed to gather together in a formal manner, we feel that the Associations will have opportunities for good and useful work. We use the word "opportunities" advisedly, for we think that the

coming Winter Session of Chemists' Associations should be one of opportunism pure and simple—no set programmes, few if any prearranged papers, but regular gathering together, under cogent chairmen and solicitous secretaries, to consider the craft difficulties which arise from month to month. Whatever these difficulties may be, there can be no question that they will be surmounted better in association than by individual action. We do not minimise the importance of the latter. We feel that much depends upon the strong men of the craft. They have always been the backbone of Associations, and there has not, in our time, at least, been a better occasion for their local fraternal influence than the present. We therefore urge that all British Pharmacists' Associations should forthwith arrange for a full session of periodical meetings, whose purposes should be, first, to consider and decide upon local matters affecting the interests of local pharmacy, and, second, to co-operate and assist in national matters of pharmaceutical interest. We recognise that these meetings must necessarily be of the nature of committees, not convened for reportorial purposes, but for direct assistance to the members themselves. The progress of pharmacy may be allowed to take care of itself while pharmacists help each other in the problems that are to come.

We have on numerous occasions during the past decade expounded the differences between the free pharmacy of the United Kingdom and the State pharmacy of the German Empire with circumscribed effort and limitation of enterprise. Our theorists have often told us how much better the latter is, as it is a profession and not a trade. What man is there among us who can contemplate with equanimity Germany's pharmaceutical institutions being thrust upon us as the result of conquest? The query is not far-fetched; it is the most forcible way in which we can express the note which should be dominant throughout the coming winter session of Chemists' Associations. Let us use our freedom to the best of our ability, and do everything possible to retain it!

War-time Trade.

EXCEPTIONAL interest is attached to the Board of Trade Returns of export and import trade during August, as they are the first statistical record of how this part of British business has been affected by the declaration of war on August 4. The Returns include certain goods imported or exported during the first four days of the month, including Sunday, August 2, a *dies non*. The figures show that the imports, compared with August 1913, fell by 13,613,670*l.* to 42,362,034*l.*, and the exports fell by 19,899,458*l.* to 24,211,271*l.*, while re-exports declined 3,730,666*l.* to 4,419,833*l.* The decreases are not so great as were expected. Immediately after the outbreak of war, commerce and shipping were temporarily paralysed, as no one could state what risks shipping was to be exposed to, but the Government action in taking war risks themselves has done much to restore normal conditions, and during the current month we shall probably see further improvement. The analysis of imports during August shows a falling-off by 2,031,961*l.* in food, drink, and tobacco, chiefly due to a decline in sugar—626,155*l.*, as compared with 2,109,527*l.* in August 1913. Grain and flour rose by 778,064*l.*, and, judging by our imports, we have already more than our normal supplies of grain. Meat was practically the same as in August 1913. Raw materials declined by 2,826,937*l.*, of which 2,202,901*l.* was in wood and timber—somewhat remarkable figures, due

to shipments from the North of Europe having ceased. Oil-seeds and the like were actually 23,090*l.* more, at 3,472,573*l.*, but the quantities received (with the exception of rape-seed) were less all round. The biggest decline was in manufactured articles, 8,709,789*l.* less of these being received. In this category chemicals, drugs, dyes, and colours fell off by 265,520*l.* to 693,423*l.*, and during the current month we anticipate that the falling-off will be still greater. As the figures are now of exceptional interest, we print the leading items in tabular form, whereby the effect on Continental chemical supplies is seen at a glance:

Month ending August 31.

	1912	1913	1914
Acetic acid cwt.	7,150	5,653	4,977
Bleaching-materials	19,182	10,232	1,571
Boron compounds	65,762	28,930	89,420
Brimstone	37,527	36,259	151,478
Calcium carbide	22,861	38,048	65,211
Coal-products, not dyes	11,385	10,676	2,408
Cream of tartar	8,666	7,554	2,455
Glycerin, crude	11,976	3,332	5,113
distilled	2,099	2,095	123
Potash compounds—			
Saltpetre	21,835	21,272	6,275
Other sorts £	54,248	42,257	9,296
Soda compounds cwt.	15,066	13,437	5,307
Tartaric acid	3,823	3,906	2,367
Other chemicals £	142,779	113,454	88,913
Bark, Peruvian cwt.	4,241	2,075	863
Quinine oz.	337,821	142,766	134,866
Other drugs £	112,498	104,818	76,626
Synthetic indigo cwt.	2,492	2,488	449
Painters' colours	257,374	210,713	77,869

With the exception of largely increased imports of boron compounds, sulphur, and calcium carbide, which were obtained from neutral countries, there was an all-round decrease.

On the export side of the account the decrease of practically twenty millions sterling is made up as follows: Food, drink, and tobacco declined by 1,302,621*l.*, and under the heading of raw materials the noticeable feature is a drop of 2,110,052*l.* in coal shipments, which is followed by one of 179,000*l.* in oil-seeds and the like. Manufactured goods account for 15,750,887*l.* of the decline, of which over 4½ millions represents cotton goods, and 2½ millions new ships (an irregular item). Roughly speaking, exports of iron and steel metal and machinery fell by one-half. Exports of chemicals and allied products declined by 612,288*l.* to 935,893*l.*, the largest sum (102,217*l.*) being in coal-products, not dyes (these including benzols, tar-oils, carbolic acid, creosote, etc.). Other notable decreases were soda compounds, which fell by 343,945 cwt., bleaching-powder by 25,872 cwt., glycerin by 16,491 cwt., and miscellaneous chemicals by 47,232*l.* The drug and medicine export business appears to have suffered comparatively little in spite of the embargo, the exports being 121,815*l.*, or 48,048*l.* less than in August 1913, which is very creditable. Taking the figures as a whole, the Returns must be considered satisfactory, seeing that the bulk of the shipping has been practically at a standstill as regards exports. A better test, however, will be provided this month when the effect of the measures taken to free the ocean routes for traffic will be more apparent. Looking at the financial aspect for a moment, it is of interest to note that during the month the imports of gold reached 12,142,583*l.*, compared with 7,596,670*l.* in August 1913, and for the eight months of the year the gold imports amounted to 47,631,335*l.*, in comparison with 39,849,946*l.* During August we obtained no less than 6,773,817*l.* of gold from the United States, compared with *nil* in 1913, while the receipts from the Transvaal were 1,724,327*l.*, against 2,431,593*l.*, the decline being

due to the interruption of transport, which is now rapidly assuming normal proportions. From Holland we received 670,000*l.*, against 800*l.*, and from Austria-Hungary 200,000*l.*, against 2,830*l.* Exports of gold during August reached 4,190,891*l.*, compared with 3,790,247*l.*, the increase being entirely due to the demand from France, which received 2,686,719*l.*, compared with 996,356*l.* Germany received 47,315*l.*, compared with 248,175*l.* Judging from the above figures, the financial position is steadily improving, thanks to the masterly action taken by the Government in conjunction with the leading financial and commercial authorities.

U.S.P. Revision.

The "Journal of the American Pharmaceutical Association" of August 1914 publishes the fifth part of an "Abstract of Proposed Changes, with New Standards and Descriptions" for the ninth revision of the United States Pharmacopœia, published by the Board of Trustees of the United States Pharmacopœial Convention. This abstract deals with most of the biological products and volatile oils which it is proposed to include in the next edition of the U.S.P., and the changes are in the direction of greater stringency in regard to standards of purity. A number of new products of a biological nature have been introduced, including a number of serums, dry and liquid. Assay processes are described for the epinephrine-content of desiccated suprarenal glands and the iodine-content of thyroid gland. With regard to volatile oils, the monographs have been subjected to thorough revision and have been brought up to date. The assay processes proposed to be introduced have been altered in accordance with the experience of the past ten years, and the standards and constants are expressed in greater accuracy of terms.

C. & D. Diary, 1915.

THE Diary, which the *C. & D.* has presented to its subscribers free every year for nearly half a century, will again be issued to all subscribers towards the end of this year. Both Editor and Publisher are now engaged in its preparation, and the Editor invites subscribers to communicate to him for publication in the Diary formulas for medicinal preparations which they desire to sell as known, admitted, and approved remedies. The Publisher will be glad to receive as soon as possible instructions from advertisers as to their requirements. He reminds all that the best way to serve the country during the present crisis is by assisting traders as much as possible. The opportunity British manufacturers of chemicals and chemists' supplies now have of securing fresh markets is unique. Such an opportunity is never likely to occur again. The publicity which *The Chemist and Druggist Diary* will give during the whole of 1915 to goods which interest responsible buyers in all parts of the world will be one of the strongest factors in bringing business.

BUSINESS CHANGES.

Authenticated information for this section will be received by the Editor, and published, if not in the nature of advertisement.

W. T. COLE & SON, LTD., chemists and druggists, have opened new business premises at 106 St. Mary Street, Weymouth.

MR. W. H. FOWLER, Ph.C., of W. H. Fowler & Co., chemists and druggists, Station Road, Redhill, has been joined in partnership by his senior assistant, Mr. C. F. Harry, chemist and druggist.

TRADE NOTES.

T. J. SMITH & NEPHEW, LTD., 5 Neptune Street, Hull, are now booking winter contracts for extract of malt and cod-liver oil at special winter terms.

BURGE, WARREN & RIDGLEY, LTD., 91-92 Great Saffron Hill, London, E.C., make special offers of clinical thermometers, guaranteed of the best English make.

TO BUYERS ABROAD.—Reade Bros. & Co., Ltd., chemical merchants, Wolverhampton, offer to buy on commission for buyers abroad on the keenest terms.

WM. TATHAM, LTD., Rochdale, supply complete plant for the manufacture of surgical cotton-wool. One of their rolling-machines is illustrated in our advertisement pages.

CUPAL, LTD., Blackburn, state that "Lungpines" are the ideal cough-tablets for the coming winter. They run with this Lungpine cough-cure. Samples will be sent on application.

WILLIAM TOOGOOD, LTD., 77 Southwark Street, London, S.E., illustrate in our advertisement pages first-aid cases of English manufacture. These are appropriate at the present juncture.

"SERVICE" FOOT-POWDER is the latest thing that Shirley Bros., Ltd., Whitecross Works, S.E., have introduced to the trade. They also supply the empty tins with dredger tops.

THE PRESCRIPTION advised by Messrs. Thomas Christy & Co., 4-12 Old Swan Lane, London, E.C., for war-sick businesses is given in their advertisement. They ask our subscribers to test it for a week or two.

BARCLAY & SONS, LTD., 95 Farringdon Street, London, E.C., are now using for their various specialities a new guarantee label which is illustrated in their advertisement. They also offer special facilities to customers to help the increase of sales.

"COXPYRIN" is the name which Arthur H. Cox & Co., Ltd., manufacturing chemists, Brighton, are giving to tablets of aceto-salicylic acid obtained from Switzerland. They quote prices on bottles of 25, 50, and 100, with chemist's name and address.

BOVRIL LTD., 152-166 Old Street, London, E.C., announce that they are again offering a 5 per cent. cash bonus on the gross value of all orders for Bovril received up to October 31. This is, therefore, the time to order winter stocks of this popular product.

MAW'S BRITISH EAU-DE-COLOGNE is the chief item of Maw's Page this week. It is known as Four Star Brand, and is neatly put up in the approved style. Attention is also directed to other products of the house of Maw, the value of the British-made article being specially emphasised.

MAY, ROBERTS & CO., LTD., 9-11 Clerkenwell Road, London, E.C., advertise that they are now prepared to book contracts for winter requirements of malt extract and malt and cod-liver oil. They also offer "Bulldog" brand Eau-de-Cologne, which they claim to be equal in quality to the finest Continental brands.

CORVUSINE D.G.—The advantages of this non-poisonous liquid seed-dressing for the coming autumn wheat-sowing are set forth elsewhere in this issue. Chemists in agricultural districts are advised to see to their stocks. Trade-prices, advertising literature, and other business helps will be sent on application to the manufacturer, Mr. Arthur E. Harker, 59 Mark Lane, London, E.C.

ABSOLUTE ALCOHOL has hitherto been imported from the Continent, and little if any made in this country. We have the pleasure of announcing that James Burroughs, Ltd., D.I. Cale Distillery, Hutton Road, Lambeth, London, S.E., have concluded arrangements with the Excise which enable them to produce absolute alcohol in their distillery.

E. MERCK, 66 Crutched Friars, London, E.C., has decided to supply his special preparations to wholesale houses at the same prices and with the full discount ruling previous to the war, in the expectation that no increased prices will be charged to chemists and doctors.

Fair supplies of certain article are still available out of stocks imported before the outbreak of war.

T. MORSON & SON, 14 Elm Street, Gray's Inn Road, London, W.C., intimate that owing to the extreme scarcity of potassium salts they have found it necessary to discontinue the manufacture of potassium glycerophosphate so as to conserve their stocks of potash for more urgent requirements. Other glycerophosphates may be obtained from them. They are making every effort to execute all orders with the least possible delay, and hope to have factory extensions completed at an early date.

"EVERSAFE" BABY-PACIFIERS retail at 2d., 3d., and 4½d. each. There is no advance in prices to retailers, although materials have increased in market value. The makers are F. Schutze & Co., Ltd., Black Bull Works, Caledonian Market, London, N. There is a story going about that mouth-breathers who enlist, and who are detected in the act, get a "dummy" to suck. Messrs. Schutze's representative is unable to corroborate the story, but he says the soldiers' babies use their pacifiers.

MR. VINCENT WOOD, manufacturer of surgical appliances, Chesterfield Street, Carlton, Nottingham, and Albion Place, Blackfriars Bridge, London, informs us that the ground hitherto covered by Mr. R. H. Howard will now be taken over by his eldest son, Mr. Vincent A. Wood, who will call upon customers at the earliest possible moment. Mr. Wood sends us a letter in regard to trading with the enemy, in which he says:

"For years we have had to compete unfairly with Germans, who have been flooding our country with belt-corsets, belts, trusses, enemas, hot-water bottles, etc., to the detriment of our own workpeople, and I have always pointed out to buyers of those goods the money was sent out of Great Britain, and one day it would be used in a deadly way against us. The trade can now pay the Germans back by refusing to handle their goods, and the public will support them by insisting that all goods must be produced in Great Britain by reputed British houses."

PERSONALITIES.

Authenticated information for this section will be received by the Editor, and published, if not in the nature of advertisement.

MRS. H. M. ALEXANDER, The Grove, Blackheath, has been appointed by the Southwark Borough Council dispenser and secretary at the tuberculosis dispensary.

MR. SELITRIENNY, of Moscow, the representative in the Russian Empire for Messrs. Allen & Hanburys, Ltd., Bethnal Green, London, E., is now in this country for a lengthy visit.

DR. ERIC RIDEAL left by the Royal Mail steamer *Oratava* on Tuesday for Colon, whence he is to travel to Guayaquil, Ecuador, for the purpose of advising, on behalf of his father (Dr. Samuel Rideal, F.I.C., F.C.S.) and himself, in regard to a proposed new water-supply for the capital, which is being arranged by an English company.

MR. A. J. BRADLEY, elder son of Mr. T. H. Bradley, pharmacist, Staveley Town, pupil at Chesterfield Grammar School, has passed the Oxford Senior Local examination, obtaining first-class honours (taking twenty-fourth place in the country out of 19,000 candidates) with distinction in English. Last year he passed the Junior examination with first-class honours and distinction in Mathematics. He has also obtained an Intermediate Scholarship at the above school for two years of the value of 15*l.* per annum.

THE late Mr. Thomas J. Barratt, of Pears, had intended writing his biography under the title "How I Spent Three Millions in Advertising," but he never had time to do more than write or dictate a bit now and then. This month's "Strand Magazine" contains, under the title "My Reminiscences," a selection from these, and they reveal some personal points which have not hitherto been reported. Mr. Barratt was born in Tottenham Court Road, the house standing where Maple's premises now are, and he got his schooling in Camden Road. One day a solicitor called at the school to get a boy, young Barratt was selected, and earned 4*s.* a week in

this his first situation. From there he went to a merchant's office, where he was eventually indentured as a clerk, and at the end of his apprenticeship he went to Messrs. Ellis & Hales. "I still failed to get hold of the business end of the stick," he wrote, "and I began to grow impatient. Then, as luck would have it, I heard of an opening in connection with soap—Pears' soap. I took that opening, plunged into it eagerly, and there I found a real starting-point, for the business was one that was just then in need of a climber." The subtle manner in which Mr. Francis Pears was induced to increase his advertising expenditure from 50*l.* a year is told, but Mr. Barratt had not a free hand until Mr. Pears retired in 1875, leaving 4,000*l.* in the concern as a loan; he "lived to see his nightmare dreams turned to realities of profit and delight." The rest of the article deals with some of Mr. Barratt's adventures and advertising *coups*, and concludes with a tribute to present-day business being better than in his early days—more orderly, better conducted, and richer in opportunities.

WESTMINSTER WISDOM.

The Week in Parliament.

PROROGATION OF PARLIAMENT.

Parliament reassembled on Wednesday, September 9, and was prorogued on the day following.

INSURED PERSONS IN THE ARMY.

Mr. Wedgwood Benn introduced on Wednesday a Bill to amend the National Insurance Acts in respect to certain officers, warrant officers, and soldiers. The Bill permits men enlisted in the new Army to be treated in the same way as Territorials. If they have been insured they continue to be so; if not, they need not become insured unless they wish. The Bill also provides that officers who took commissions in the new Army may, if already insured, continue in insurance.

INSURANCE COMMISSION OFFICERS AT THE FRONT.

Two hundred of the officers employed at the headquarters of the National Health Insurance Commission at Wellington House and at Maida Vale have left those departments on active service in connection with the war. This large proportion, which far exceeds that of any other public department, is attributable to the fact that the Commission was only quite recently called into existence by Act of Parliament, and many of the clerks, who were requisitioned from other departments of the State, were drawn from the ranks of the younger men.

EXCESSIVE SICKNESS INQUIRY.

Sir Claud Schuster, the Chairman of the Departmental Committee which was appointed some time ago by the National Health Insurance Commission to inquire into the allegations of excessive sickness under the National Insurance Act, has completed his inquiry, and the report has been approved by his colleagues. Owing to the enormous amount of work, however, which has been thrown upon the Parliamentary printers in consequence of the war, the publication of the document has been delayed. This was, in a lesser degree, the fate of Sir Henry Norman's report on patent and proprietary medicines. There is reason, however, to believe that the report, which has thus been hung up for some time past, will shortly make its appearance.

TRADING WITH THE ENEMY.

Among the emergency legislation introduced in the House of Commons was a Bill by the Attorney-General (Sir John Simon) to make provision in respect of penalties for trading with the enemy. The right hon. gentleman stated that the experience of the last few weeks had shown that it had become necessary to revise the existing law and to state more clearly the rules that must be observed. It was desired to prohibit certain transactions not already prohibited and to prohibit any payment to an enemy, even in the case of those which arose out of a contract made before the commencement of the war. The penalty fixed is a fine of 500*l.*, or twelve months' imprisonment, on summary conviction, and

of penal servitude for a period of seven years on indictment. The Bill gives power for the institution of a search warrant for the inspection of books. In reply to questions put by members, the Attorney-General said the Bill did not profess to deal with companies registered under English law if they were found to be in substance companies with hostile shareholders or directors, nor did it confiscate the private property of enemy subjects in this country, but rather guarded it and kept it safe.

Among the provisions we observe one which enables the Board of Trade, without a magistrate's warrant, to give to a person appointed by them authority to inspect all the books and documents of a firm or company, and to require any person able to give information with respect to the business of that firm or company to give that information, viz.:

- (a) in the case of a firm, that one of the partners in the firm was immediately before or at any time since the commencement of the present war a subject of, or resident or carrying on business in, a state for the time being at war with His Majesty; or
- (b) in the case of a company, that more than one-third of the issued share capital or of the directorate of the company immediately before or at any time since the commencement of the present war was held by or consisted of persons who were subjects of, or resident or carrying on business in, a state for the time being at war with His Majesty; or
- (c) in the case of a firm or company, that the firm or company were acting as agents for any person, firm, or company trading or carrying on business in a state for the time being at war with His Majesty.

If any person refuses or neglects to produce any book or document or give any information he will be liable to imprisonment, with or without hard labour, for a term not exceeding six months, or to a fine not exceeding fifty pounds, or to both imprisonment and fine.

[A Proclamation giving effect to the new law is printed on p. 34.]

ASSOCIATION AFFAIRS.

Hull.—The opening meeting of the winter session of the Hull and District Pharmacists' Association was held at the Grosvenor Hotel, Hull, on September 8, Mr. T. W. Robinson (President) in the chair. Mr. Ståning, in reply to a question, said that the projected amendment of the Tariff which Mr. Selle had drawn up could not be put into force, as they had been assured that there could be no alteration at the present time. Mr. Selle reported that the question of dispensing for the dependants of soldiers and sailors had been considered. The doctors had given their services free, and the suggestion was that Tariff prices should be charged for the ingredients, but chemists should forgo the dispensing-fee. The bill would be paid by the Soldiers' and Sailors' Association, and the Insurance Committee had supplied some disused pink prescription-forms for use in connection with the scheme. It was resolved to draw the attention of the Pharmaceutical Society to the increased prices of the largely used citrates, tartrates, and synthetic products, such as phenacetin and phenazone, which have been omitted from the war schedule for Insurance dispensing, and asking when they might expect some action to be taken in the matter. The President brought up the question of increasing retail prices for certain drugs, and mentioned that the action of the West Ham Association might be some guide to them in the matter. The question of extravagant prescribing was discussed, and Mr. Selle stated that in Holderness Road they were down at an absolute minimum. A case had occurred of a doctor supplying medicines to insured patients. It was decided, after discussion, that a full statement of the matter should be drawn up for consideration by the Pharmaceutical Committee. Mr. Iddon and Mr. E. Perkins were elected members of the Association.

Newcastle-upon-Tyne.—An excursion arranged for the beginning of August by the Pharmacists' Association had to be abandoned, partly because of the withdrawal of trains by the railway company, owing to the war. It has been decided to have an excursion to Bellingham on September 16, travelling by the railway company's advertised excursion-train, leaving the Central Station at 1.40 p.m., return fare from Newcastle 1s. 7d. Arrangements will be made beforehand for tea, and those who intend going are requested to notify the Hon. Secretary (Mr. W. Pescod, 60 Osborne Avenue) two or three days in advance.

A CARGO of 4,400 tons of sunflower-seed oilcake for cattle-feeding, originally intended for Denmark, has been brought in to Hull from South Russia.

Insurance Act Dispensing.

A Weekly Record of events and decisions concerning Chemists' interests in Medical Benefit administration and practice.

Reports from Local Centres.

With special reference to the supply of medicines and appliances. See also Association Affairs.

ENGLAND.

Blackburn.—Steps have been taken by the Insurance Committee to bring the special account-forms for war prices into operation. Medical men have been requested to discourage the habit of insured persons expecting prescriptions when there is no necessity for them.

Devonshire.—At a meeting of the Insurance Committee on September 7, the Medical Benefit Sub-Committee reported that they had issued a circular to panel practitioners pointing out that many drugs were likely not only to become extremely scarce, but also very expensive, and asking them to assist as far as possible in conserving the present supplies. Mr. P. F. Rowsell explained that many of these drugs came from Germany, and he hoped steps would be taken by the Government to help British manufacturers to produce them by allowing the use of duty-free alcohol. The accounts for the year 1913 were submitted; the Drug Fund amounted to 8,484l. 8s. 8d., and the Drug Suspense Fund to 2,828l. 2s. 10d. Payments had been made to chemists during the year amounting to 6,327l. 4s. 1d.

Sheffield.—The following figures are of interest to local chemists, in view of the probability of the deficiency on the Drug Fund for 1913 exceeding 5 per cent., as was originally estimated:

	Quarter	Number of Prescriptions	Average Cost per Prescription
1913	First	139,098	6.04d.
	Second	130,484	7.39d.
	Third	121,094	7.88d.
	Fourth	123,405	8.95d.
	Total for 1913 ...	514,081	Average for the year 7.56d.
1914	First	148,108	8.25d.
	Second	137,115	8.07d.
	Total for 6 months	285,223	Average for 6 months 8.16d.

The figures include few, if any, prescriptions ordered under the new Panel Formulary, which was intended to reduce the cost of prescriptions.—Local chemists express dissatisfaction with Form Med. 39, on account of the time taken up in the necessary clerical work. With regard to the uncertainty as to how to fill up the form when more than one scheduled drug is ordered in the same prescription, it has been decided to follow the method recommended by the Secretary of the Pharmaceutical Society.

West Bromwich.—The Pharmaceutical Committee met on September 8, when the matter of the allowance to panel doctors for emergency medicines was discussed. The Panel Committee ask for 4s. per 100 persons per annum, but the meeting felt that this amount is excessive, as panel doctors supply few emergency medicines and are confusing these with urgent medicines, for which arrangements have been made. It was resolved to advise the Insurance Committee that 3d. per 100 persons per quarter be allowed. It was reported that up to the present the Pharmaceutical Committee had not asked for funds for administrative purposes, and that the Panel Committee would not agree to anything being allotted out of the Drug Fund. Prescriptions have been checked for the heaviest quarters only, at the expense of the Insurance Committee. It was found that chemists made very few errors in pricing prescriptions, and that checking does not justify its expense. The Smethwick Pharmaceutical Committee wrote asking whether West Bromwich would join with them and other contiguous areas in having prescriptions checked, the Insurance, Panel, and Pharmaceutical Committees to share the expenses. The Secretary was instructed to obtain further information. The Secretary reported that a doctor had written complaining that a chlorine mixture had not been dispensed *secundum artem*, and in other instances he was suspicious of the contents of bottles which bore labels carelessly written in

pencil. The Secretary was directed to write to each panel chemist about the matter. The Insurance Committee's report on prescriptions was submitted, showing the cost of medicines for the patients of each doctor during the first quarter. The highest cost of drugs per head was 15.34d. against a doctor having sixty-four persons on his list, and the lowest 1.33d. per head on a panel list of fifteen. The following figures were also given:

Total number of insured persons, 21,063.
Total number of prescriptions, 25,006.
Total value of prescriptions, 779l. 2s. 9d.
Average price per prescription, 7.46d.
Average number of prescriptions per person 1.18.
Average cost of drugs per head, 8.87d.

Westmorland.—At a meeting of the Insurance Committee on September 2 mention was made of the increased cost of drugs. Mr. G. Vogt, chemist and druggist, said he did not think it worth while going into the matter, as the increase did not amount to a great deal in a small county like Westmorland.

SCOTLAND.

General.—The Pharmaceutical Standing Committee (Scotland) on September 2 decided unanimously that, while anxious to facilitate some reasonable arrangement, the schedule of drugs in the Commissioners' Form 586 and the method for additional payment are useless, cumbrous, dilatory, and impracticable. It was resolved strenuously to endeavour to secure a simpler, sufficient, and fair plan as follows:

The Commissioners shall issue a revised special Tariff for all drugs and appliances included in the war schedule, and chemists shall price prescriptions in accordance with this special Tariff. The Commissioners shall enlarge or curtail the war schedule and revise the prices periodically—say, monthly—as occasion requires, and the schedule and special Tariff prices will be recognised within the period arranged. The chemist shall also price each prescription according to the ordinary Drug Tariff, so as to show clearly the difference in cost due to the war-schedule Tariff.

A greatly extended list of drugs and appliances was drawn up for addition to the schedule, and it was remitted to the Drug Tariff Sub-Committee to take immediate steps to have these proposals given effect to on the earliest possible date, and to communicate immediately with the Advisory Committee in London.

Aberdeen.—With regard to the arrangements to be made for the provision of medical attendance to patients of panel doctors who have left for active service, we understand that it is proposed to form a central office with a rota of doctors. Aberdeen Parish Council have granted the use of their consulting-rooms for this purpose every evening between six and nine o'clock.

Fifehire.—Chemists' accounts for June and July have now been paid, less a discount of 20 per cent.

Forfarshire.—A meeting of chemists and others supplying drugs, medicines, and appliances to insured persons in the county will be held in the County Hall, Forfar, on September 16, at 4 P.M., to hear a report of the Committee's work by the Chairman (Mr. J. Hutton), and to consider the Scottish Tariff, rural dispensing, and the dispensing of proprietaries. A full attendance is desired, so that an influential appeal for better remuneration may be placed before the Commissioners, in view of the fact that the 1915 contracts will have to be signed at an early date.

TRADE-MARKS.

(From the "Trade-marks Journal," August 19, 1914.)

"MAI-CEN" and "RUS-CEN" in facsimile; for perfumery and toilet-articles (48). By G. J. Bassant, Hôtel Great Central, Marylebone Road, N.W. 361,633. 361,634.

"RADZO": for a toilet-preparation (48). By Frances Carol, 107 Avenue Victor Hugo, Paris. 361,824.

"LOTION THAMAR" and label device; for a face-lotion (48). By Beatrice C. A. Tozer, 70a Longridge Road, Earl's Court, S.W. 362,300.

"METWOOD": for bottle-stoppers (50). By J. A. Hodgson, Manor Chase, Newcastle-on-Tyne. 362,047.

(From the "Trade-marks Journal," August 26, 1914.)

"ASENGAM": for chemical substances (1). By J. W. Roberts, Ltd., Armley, Leeds. 362,653.

"PAX," with design of same; for chemical substances (2). By Clifton West, 36 Torridon Road, Hither Green, S.E. 361,296.

"AURO" for a sanitary fluid (2). By Boot's Pure Drug Co., Ltd., Nottingham. 361,019.

"LUTIN": for a preparation used in diagnosing syphilis (3). By The Rockefeller Institute for Medical Research, New York, U.S.A.; address for service in U.K., c/o Marks & Clerk, 57-58 Lincoln's Inn Fields, W.C. 359,812.

SOUTH AFRICAN NEWS.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is subscribed for and supplied weekly to all the members of the seven Chemists' Societies in British South Africa.

*Cape Province.

THE WAR.—The European War (writes a Cape correspondent) has thoroughly disorganised business for the time being, and although prices of foodstuffs were immediately raised to the public by retailers, the former were entirely to blame by buying in such large quantities. The authorities are, however, taking steps to put matters on a more normal footing. Chemists have met and discussed prices owing to the action of one firm immediately advancing prices of German goods 25 per cent. and all other lines 10 per cent., this applying to the goods actually in stock, an action which has been resented. Other wholesale houses have not advanced their prices yet, but when compelled to do so a further meeting will be held to discuss the best plan of action, and there the matter rests for the moment.

CHEMISTS AND WAR PRICES.—A meeting of Cape Town chemists was held at the Y.M.C.A. on August 10 to discuss what action should be taken in regard to prices. Mr. J. Austin Thomas presided, and among those present were Messrs. J. Patterson, Ashley Miller, F. Mathew, L. Walsh, and J. Scott representing wholesale firms, and the following retailers: Messrs. Peck, Petrie, Sleggs, Greenland, Hopkins, Edmeades, Spruce, Aitken, Fick, Westley, W. J. H. Thomas, and Austin (Cleghorn's). From the discussion which ensued it appeared that several retailers had ordered extraordinarily large quantities of goods, which some speakers described as panicky action. The wholesaler's point of view was that the position, as far as the supply of certain articles was concerned, was serious. They had been declared contraband of war. If they had war losses, and shipments did not arrive, it would mean very serious loss. The wholesalers had been inundated with orders from retailers; and one of the wholesale firms' representatives put it to the meeting whether it was better to increase their prices 10 per cent. now or to wait until their stocks were practically depleted, and then raise the price 25 per cent. or more? After hearing further views of wholesalers and retailers, it was ultimately resolved that the meeting be adjourned until there was concerted action in regard to the wholesalers to raise their prices.

Transvaal.

A FATAL ERROR.—An assistant at a pharmacy at Hospital Hill, Johannesburg, inadvertently gave a "Cape boy" a packet of salt of lemon in mistake for Epsom salt, with fatal results to the purchaser. The assistant has been remanded on a charge of culpable homicide.

THE ANNUAL MEETING of the Transvaal Pharmaceutical Society (Pretoria Branch) was held on August 6 at Messrs. Phillips & Co.'s, Ltd., premises in Church Street, Pretoria, with Mr. Tibbit in the chair. The office-bearers each asked to be allowed to resign, Mr. Tibbit (President) stating that he would like to see some of the younger members being given an opportunity to take an interest in the affairs of the Society. Mr. Anderson, of Messrs. Roworths, was appointed President for the coming year. Some difficulty was experienced in finding members to take the offices of Secretary in place of Mr. Sachs, and Treasurer in place of Mr. Myerson. Ultimately it was agreed that these two should retain their offices for another month. In the interval an effort is to be made to persuade all the newer chemists in Pretoria to become members of the Society. A discussion on prices followed. Some of the members suggested that many of them should be raised, but it was agreed to do nothing meanwhile, as if the war continued all chemists would be compelled to raise prices.

Mr. WM. ISAAC, chemist and druggist, Carmarthen, has purchased the business of the late Alfred Taylor, chemist and druggist, at 86 Woodfield Street, Morriston, Glam.

TRADE REPORT.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., September 10, 6.30 p.m.

BUSINESS conditions in the produce markets remain much the same as last week, transactions being reduced to a minimum, and throughout the duration of the war they are likely to remain more or less so. The steps which are being taken to facilitate foreign commerce by the restoration of exchange between the United States and this country should help to stimulate fresh business in this direction and make commercial intercourse and international trading less difficult and irksome. As regards prices, these are now of a more settled character, with trading confined to actual wants, and in many products the quantity changing hands is so small that no market value of such is available.

Arrangements are being made to obtain supplies of fine chemicals from Swiss and American makers, and we note some arrivals from the latter source this week. It must be remembered, however, that prices in the U.S.A. have risen almost to the same degree as they have here, and that sellers are much in the same position as this country, added to which there is the greatly increased item of freight and other expenses to be reckoned on the cost. An advance of 20s. and 30s. per ton in borax and boric acid is one of the chief alterations of the week.

The position of citric and tartaric acids and cream of tartar is acute, due to inability to obtain adequate supplies; prices are quite nominal. An auction of Tinnevely senna was held on Wednesday, the offerings selling at an advance of $\frac{1}{2}d.$ to $1d.$ per lb., with very keen competition. Lemon oil is cheaper owing to absence of demand, and essential oils generally are quiet. The Grasse oil industry is, of course, disorganised, and supplies this season will be uncertain.

Cablegram.

NEW YORK, September 9.—Business in drugs is moderate. Opium has advanced a further 25c. per lb. to \$10 per lb. for druggists' quality by single packages. Peppermint oil is 15c. lower at \$2.15. Menthol is 40c. lower at \$3.60. Senega is easier at 44c., and Mexican sarsaparilla is also cheaper at 16c.; other articles which have declined include Cartagena ipecacuanha, which is offered at \$1.85, and hydrastis (golden seal) at \$4.25 per lb.

London Markets.

ACETONE.—The price in small lots is about 90l. per ton.

ACETYL-SALICYLIC ACID is quoted at from 8s. to 9s. per lb.

ALOES.—Holders of good hard bright Cape ask 37s. and fair hard 35s. 6d. Genuine Socotrine in kegs is offered at 50s. and ordinary dark 40s. Curaçao in cases is quiet at 50s. for dark livery. The exports from the Union of South Africa during June amounted to 91,976 lb., valued at 1,008l., as compared with 47,401 lb., valued at 552l., in June 1913. For the six months ended June the exports were 562,315 lb., valued at 6,269l., as compared with 237,164 lb., valued at 2,735l., in 1913.

AMMONIA SULPHATE.—Nominal; grey, 25 per cent., London prompt, 9l. 15s. to 10l. per ton net; Hull, 10l. 11s. 3d.; Liverpool, 10l. 12s. 6d.; Leith, 10l. 15s., less $3\frac{1}{2}$ per cent.

ARSENIC is in fair demand, best white Cornish powdered being quoted 20l. to 21l. per ton in barrels and kegs respectively.

BELLADONNA-ROOT.—A ton which arrived this week was in fulfilment of a contract for manufacturing-purposes; otherwise there is no quotation in the absence of supplies.

BENZOIC ACID.—The price of Howards' make is now 8d. to $8\frac{1}{2}d.$ per oz., according to quantity.

BERGAMOT OIL.—There are spot sellers at 20s. per lb.

BORAX.—Prices of borax have been advanced by 20s. and boric acid by 30s. per ton, the new rates being as follows: Refined borax, B.P. crystals, in 1-cwt. lots, 20s. 6d. per cwt.; powdered ditto, 22s. 6d.; granular, 22s. 6d.; 5-cwt. lots, 1s. per cwt. less. Boric acid, crystals 32s., powdered 34s.; 5-cwt. lots, 1s. per cwt. less—all net cash, without engagement.

BROMIDES are being supplied by the British makers to their regular customers at previous prices. In the open market the demand is distinctly quiet, up to 6s. being quoted for potassium. In one quarter there is the possibility of the three salts being offered later at less than the foregoing. Meanwhile we note the arrival of 21 barrels potassium bromide from New York.

BUCHU.—The exports from the Union of South Africa during June amounted to 26,240 lb., valued at 5,547l., against 13,535 lb., valued at 2,621l., in 1913. For the six months ended June 30, 1914, the exports were 138,744 lb., valued at 26,172l., against 108,555 lb., valued at 22,759l., in 1913. London prices remain unaltered.

CAMPHOR (REFINED) is firm, the sales including Japanese $2\frac{1}{2}$ -lb. slabs at 2s. 1d. to 2s. 2d., 1-oz. tablets at 2s. 4d. to 2s. 5d., and $\frac{1}{4}$ -oz. at 2s. 3d. No forward prices are quoted.

CANARY-SEED is dearer, with sales of fair quality at 115s. to 120s. per quarter.

CANTHARIDES.—There appears to be no stock except what is in wholesale druggists' hands. A few pounds of Russian changed hands at 15s.

CARBOLIC ACID.—On the easier side, with 39° to 40° C. ordinary ice crystals offering in large-bulk packing at $8\frac{1}{2}d.$ to 9d. per lb. Crude 60-per-cent. (East Coast) is quoted 2s. to 2s. 2d. per gal.

CASCARA SAGRADA.—Quiet, with new bark offered at 36s. 6d. and two to three years old at 38s. 6d. There are no offerings of new crop, probably owing to the inability to engage freight.

CASTOR OIL.—Hull make of first pressing is quoted at 25l. 10s. per ton for prompt to December delivery, barrels included, f.o.r. Hull, usual terms. Finest pharmaceutical quality is 50s. per ton over the price of firsts, and oil in tins and cases 50s. per ton over the respective price in barrels.

CHAMOMILES.—Prices of old crop vary between 115s. and 130s. per cwt.

CINCHONA.—Our Amsterdam correspondent writes on September 4 that the date of the next tender of manufacturing-bark has been fixed for Wednesday, September 30, and will consist of 9,523 bales, weighing about 821,948 kilos., containing the equivalent of 51,052 kilos. quinine sulphate. The average percentage is 6.21. The next auction of pharmaceutical bark has been fixed for Thursday, October 1.

CINNAMON.—Last Tuesday 30 bales of worked plantation Ceylon were offered for sale and were sold at about 2d. to 3d. per lb. above the prices obtained at the auction three months ago. Fine to extra superior firsts sold at 2s. to 2s. 3d., and good firsts and seconds at 1s. 7d. to 1s. 8d. per lb.

CITRIC ACID.—Business has been done at from 3s. 7d. to 3s. 9d.; market is nominal and quotations wide. The Russian Government is in the market for a moderate quantity.

COCA-LEAVES.—The next auction of coca-leaves at Amsterdam will take place on October 1.

COCAINE is irregular, according to the idea of holder, varying from 10s. to 11s. per oz. for hydrochloride.

COD-LIVER OIL.—Our Bergen correspondent writes on August 31 that in the absence of business no quotations can be given. Exports are insignificant.

COPPER SULPHATE.—Liverpool brands are quoted at 21l. per ton, being an advance of 1l. since last week.

CREAM OF TARTAR is nominal and indefinite at from 212s. to 215s. per cwt.

CUMIN-SEED is firmer; Morocco is quoted 50s. per cwt. for fair sifted.

ERGOT.—Quiet, with a fair quantity available. Sound Russian is quoted at from 4s. 6d. to 4s. 9d., and sound Spanish at 5s., which has been paid.

EUCALYPTUS OIL.—B.P. quality is offered on the spot at from 1s. 4d. to 1s. 5d. per lb.

FORMALDEHYDE is offered at the cheaper price of 75s. per cwt. for 40-per-cent.

GALLS.—Persian have been sold at advancing prices, owing to the fact that imports have ceased for the present. Blue has been sold up to 67s. 6d. and green at 50s.

GLYCERIN.—Prices of all qualities are well maintained by the British Convention at the advance announced a fortnight ago, since when there has been no further change,

the official rate being 104l. per ton for double-distilled s.g. quality in tins and cases on 5-ton contracts, drums being 4l. less.

HYDROBROMIC ACID has been advanced to 1s. 1d. net per lb. for dil. (10-per-cent.), and to 1s. 0½d. net for not less than 12 W. qts. Concentrated is quoted at from 2s. 8d. to 5s. 1d. net, according to sp. gr.

INSECT-FLOWERS in small lots are offered at from 210s. to 220s. per cwt. for closed.

IPECACUANHA is in more inquiry to-day, holders asking 8s. 6d. per lb. for Matto Grosso and 7s. for Cartagena. Stocks are very fair.

LEMON OIL.—Quiet, with good brands offering on the spot at 9s., and to arrive at 7s. to 7s. 6d. and less.

LIME-JUICE remains very firm, with prices varying at from 2s. 7d. to 3s. per gal. as to quality and seller.

LIME OIL.—Fair West Indian distilled is offered at 4s. per lb., which has been paid.

MENTHOL is neglected, with sellers at 11s. 3d. per lb. spot. No c.i.f. business is reported, and many forward contracts for both menthol and oil made with Hamburg houses have perforce been cancelled.

MILK-SUGAR can be had in limited quantities at from 95s. to 100s. per cwt. We note small arrivals from Holland and the U.S.A.

OILS (FIXED).—*Linsced* quiet, at 26s. for pipes and 26s. 6d. for barrels (official prices), naked 25s. 4½d. Ceylon *Coconut* firm at 48s. spot and 45s. afloat; London pressed, 41s. 6d. *Cottonseed* nominal at 32s. for crude in pipes on spot, 31s. for refined pale in pipes, and 37s. for sweet refined in barrels. *Rape* nominal at 35s. 6d. for English refined in barrels, and Japan (cases) for July-August shipment 30s. *Lagos Palm*, 30s. 6d. to 30s. 7½d. spot, Liverpool.

OPUM is a nominal market, the spot value of Turkey druggists' 11½-per-cent. being 19s. 6d. to 20s. per lb.

PEPPERMINT OIL.—Business has been done in American H.G.H. at equivalent to 16s. 6d. per lb. to come forward; on the spot the usual brands of Wayne County can be had at 13s. 6d. Japanese dementholised is nominal at 4s.

PHENACETIN is quoted at from 7s. to 8s. per lb. as to seller.

PHENOLPHTHALEIN is quoted at from 12s. to 14s. per lb. as to seller.

ROSE-PETALS.—Sales of Dutch have been made at slightly under 6s., which figure is now asked.

SAFFRON.—Prices vary from 47s. 6d. to 50s. per lb., the latter representing best Valencia. It is difficult to import, as cash is required to be remitted to Spain, and the difference in exchange is equal to 3s. per lb.

SALICYLATES.—*Acid* powder is quoted 4s. and *Soda* 4s. 6d. per lb. from agents' hands.

SALOL is quoted at from 4s. 6d. to 5s. 6d. per lb. as to seller.

SARSAPARILLA.—Values are practically the same as those of the previous auctions, genuine grey Jamaica being worth from 1s. 9d. to 1s. 11d., and Lima-Jamaica 1s. 5d. to 1s. 7d. per lb.

SENEGA.—Fair arrivals have taken place in fulfilment of contracts; spot is about 2s. 3d. net.

SENNA.—At auction on Wednesday 238 bales Tinnevely offered, and sold with good demand at an advance of ½d. to 1d. per lb. on previous sales' rates, pods being steady, the following prices being paid: Fair bold greenish, 5d. to 5½d.; ordinary boldish leaf, 4d. to 4½d.; medium to bold, 3½d. to 4½d.; common to ordinary small to medium, 2½d. to 3½d. per lb. *Pods*, 1½d. to 2½d. per lb. Business has been done privately in Alexandrian siftings at 6d., but cannot be replaced at the price.

SHELLAC is cheaper, with quite retail sales, the price of TN on the spot being from 55s. to 57s. 6d. per cwt.

SODA SALTS.—*Caustic*, 70 per cent., 10l. 2s. 6d.; 60 per cent., 9l. 2s. 6d. *Soda-crystals*, bags 42s. 6d. net, and barrels 45s. net. *Bicarbonate*, casks 5l. 7s. 6d., and kegs 5l. 12s. 6d., London.

SODA TARTARATE.—Current price of British make is 99s. per cwt., and *Pulv. seidlitz* 81s. 3d., both in 5-cwt. casks.

SPICES.—*Pepper*: Fair black Singapore is quoted at 5½d., fair Tellicherry 5l., and fair Lampong 4½d.; to arrive, August-October shipment, sellers of Lampong quote 4½d. c.i.f. *White* Singapore is quoted 8½d. for fair and 9½d. for Muntok; for September-October shipment 8d. c.i.f. is quoted for Singapore, 7d. c.i.f. for Penang, and 8d. c.i.f. for Siam; Muntok for September-October shipment has been sold at 3½d. c.i.f. Sellers of Zanzibar *Cloves* quote 6½d. for fair.

SULPHONAL is quoted at from 13s. 6d. to 14s. 6d. per lb. as to seller.

SULPHUR.—Flowers are quoted 12l. and roll 11l. to 11l. 10s. per ton ex wharf. There are no imports from Sicily, business being at a standstill, with shippers asking for cash before shipment, which is at buyers' risk.

TARTARIC ACID.—Prices are wide and quite indefinite, various rates having been paid up to 2s.

THEOBROM, SODIO-SALICYL is offered at about 15s. per lb.

THORIUM NITRATE.—Before the war the price was 23s. per kilo, but since then business has been done up to 90s. per kilo, although it is said one concern has a considerable stock.

THYMOL.—Business has been done at 40s. per lb., but to-day (Thursday) a limited quantity is offered at 35s. per lb. Thymol and its preparations are among the prohibited export articles to certain countries.

TERPENTINE.—Business has been done in Venetian at 130s. per cwt., with 140s. asked. American is quiet and nominal at 34s. spot. The "New York Commercial" reports that "with the cutting-off of exports by the war Government aid to enable naval stores producers to carry over the crop is necessary to preserve the market. A Convention comprised of factors from Savannah and Jacksonville has passed a resolution asking the Government for financial assistance in carrying the balance of naval stores on hand and now under production until 1917. They also agreed to hold the present stock of turpentine for 45c. per gal. This decision will force the price in New York, which is from 43c. per gal. ex dock to 47c. per gal. ex yard, to advance to 48½c. ex dock and 49½c. ex yard. When the trucking differential is added to this price the figure will be far above that which the trade had looked for. In addition the factors notified the rosin and turpentine producers to cease production, as they (the factors) would advance no further funds to finance and market any but scrape stock. This sort of stock is not due until late October or early November, and therefore no receipts are expected until the scrape stock appears."

American Drug-market.

Mr. Chas. L. Huisking, of New York City, in his Market Report of August 15, states that buying still continues heavy, but market is quieting down, and there is not as much excitement as prevailed up to a few days ago. The general expression, however, is that highest prices have not yet been reached, and that real calamity prices will be felt when consumers are actually in need of goods, as the principal buying so far has been anticipatory. Offers have been received from London during the last few days, and this has helped somewhat to steady the market, but even if that market does supply us now, it can only be a temporary relief, or until such time as their present stocks are worked off; and even then there is the uncertainty of goods reaching here and what the cost will be, due to the unsettled condition of the money-market. German, Russian, and French goods are likely to be unprocurable before the trouble is over, and while we are asked every day to express our opinion of the future course of the market, we can only suggest that you follow your own judgment in buying, and base your operations on your own opinions as to how long the war will last.

Quicksilver.

Mercury has been one of the few articles unaffected in price by the war, this being partly owing to the fact that exportation is prohibited, the existence of fair stocks and the principal source of supply remaining open. Immediately after the outbreak of war the market tendency was firmer, but at no period has the market been active, and now the tone is irregular and unsettled, the first-hand quotations for Spanish being nominal at 7l. per bottle, whereas second-hands have been offering down to 6l. 12s. 6d., at which business has been done. This shows that there is evidently keen competition, especially by Italian producers. The outlet for the manufacture of fulminate in connection with gold and silver mining has lost ground of late years, but it still constitutes a notable market factor alongside its use for electrical and other purposes. Whereas the Italian output has more or less increased there has been a considerable decrease in the American production, which in 1913 was 20,213 bottles, as compared with 25,064 bottles in 1912. No doubt most properties in California are now working on low-grade ores, the total output in California for last year being given as only 15,591 bottles, against 20,524 in the previous year.

According to the compilation of a German authority the total world's production of quicksilver during 1913 amounted to 4,197 tons, as follows: United States, 714 metric tons (of which 578 tons came from California), Spain 1,490 tons, Austria-Hungary 855 tons, Italy 988 tons, and Mexico 150 tons. It must be seen that Italy is now the second largest world's producer, her output having been substantially in-

creased during recent years. Germany's importations last year were again heavy at 961 tons, or slightly less than the previous year.

The Week's Arrivals.

During the period September 3 to 9 inclusive, the following drugs, chemicals, and allied products have arrived at the principal ports of the United Kingdom. Where not stated, the figures denote packages:

Acetanilide (Rotterdam) (brls.)	17	Gum copal (W.C. Africa...)	351
Acetic acid (Holland) ...	86	(Macassar) ...	272
Acetic " (New York) ...	410	Gum damar (Macassar) ...	307
Acetone (Rotterdam)		Herbs (Marseilles) ...	20
40 cks., 40 drms.		(Kobe) ...	50
Acetone (Philadelphia)		Honey (Brisbane) (cs.)	128
(drms.)	82	(Belize) ...	18
(Rotterdam) ...	29	Indigo (Holland) ...	98
(New York) ...	36	Iodine (Valparaiso) ...	245
Albumen (Holland) ...	10	Jamba-seed (Karachi) ...	6,532
Alcohol, wood (Montreal)		Juniper-berries (Rotterdam)	
(drms.)	100	... ..	10
(Sweden) ...	15	Lead acetate (Rotterdam)	
Aloes (Bombay) ... (cs.)	10	dms. kegs 1,200, cks.	
Ammon. perchlor. (Antwerp) ... (cs.)	20	67, in. tr. (Ghent) 23,	
Aniline colours (Genoa)...	99	(Amsterdam) 14	
Anise oil (star) (Havre)	14	Linsced (Calcutta) bgs.	
Anatto (Denmark) ...	63	55,552, (R. Plate) cwt.	
Aspirin (Havre) (cks.)	20	31,440	
Boric acid (Leghorn) ...	87	Linsced oil (Amsterdam)	120
Buchu (Cape Town) ...	3	Liquorice-juice (Antwerp)	
Calcium carbide (Skien) drms. 390, (Bergen) drms. 600, (Gothenburg) 1,850		werp) ... (cs.)	79
Canary-seed (Morocco) ...	1,349	Lithopone (Rotterdam)	
Caraway-seed (Holland)	390	43, (Santa Fé) 45,945,	
Cardamoms (Ceylon) ...	418	(Morocco) 4,594, (Buenos Ayres) 8,523, (Argentina) 36,195	
Castor oil (Leghorn) ...	5	Magnesia carb. (Rotterdam) cs. 100, bgs. 20	
Castor seed (Bombay)		Meathot (Marseilles) ...	10
Chemicals, undescribed (Dunkirk) ...	445	Milk-sugar (Rotterdam)	30
Chloral hydrate (New York) ... (cs.)	7	(New York)	221
Chloroform (New York) (cs.)	8	Mustard oil (Calcutta) drms. 35	
Citrate of lime (Syrause) (cks.)	139	Nut oil (Amsterdam) ...	80
Citronella oil (Ceylon) (drms.)	6	Olive oil (New York) (cs.)	250
Coca-leaves (Ceylon) ...	3	(Genoa) ...	75
Cocoa-butter (Holland) ...	119	Opium (Hong-Kong) ...	36
Cocaoat oil (Ceylon) ...	417	(Singapore) ...	10
(Marseilles) ...	400	Orange oil (France) ...	5
(Holland) ...	110	Orris (Saffi) ...	2
(Ostend) ...	115	(Leghorn) ...	45
Cod-liver oil (Aalesund) ...	15	Oxalic acid (Fredrikstad)	10
(Liverpool) ...	45	Palm oil (W. C. Africa)	333
Colocynth-seed (Marseilles) (bls.)	50	Pepper (E.I.) ...	803
Coriander (Morocco) ...	1,274	Peppermint oil (New York)	15
Cream of tartar (Rotterdam) ...	6	Phenazone (Havre) (cs.)	10
Croton-seed (Ceylon) ...	27	Phosphorus (Montreal) (cs.)	225
Cumin-seed (Morocco) ...	95	Pimento (New York) ...	105
Dextrin (Rotterdam) ...	55	Potash bromide (New York) ... (brls.)	21
Drugs, medicines, etc. (Treport) pkgs. 8, (Boulogne) 16, (New York) 590, (Philadelphia) bxs. 546		Potash caustic (Antwerp) drms. 20, cks. 20	
Ergot (Portugal) bgs. 20, cs. 9		Potash prussiate (Antwerp) ...	19
Essential oils (New York) (cs.)	75	Potash prussiate (Rouen)	26
(Holland) ...	6	Potashes (Montreal) ...	8
Eucalyptus oil (Melbourne) ... (cs.)	190	Quicksilver (Leghorn) ...	240
Farina (Amsterdam) ...	200	Quinine (Holland) (cs.)	5
Fennugreek (Morocco) ...	3,341	Roots and barks (New York) ...	38
Formaldehyde (Montreal) (brls.)	28	Seedlao (Calcutta) ...	275
(New York) (cks.)	20	Senega (New York) ...	17
Formic acid (Rotterdam) (blns.)	156	(Montreal) ...	10
Fullers' earth (Japan) ...	504	Shellac and button lac	778
Gamboge (Havre) ...	2	Soda chlorate (Rouen) ...	350
Ginger (New York) ...	63	Soda prussiate (Antwerp)	15
Glucose (Rotterdam) ...	40	Soda salicylate (Havre) (cs.)	20
(New York) ...	3,699	Soy (Hong-Kong) ...	50
Glycerin (Amsterdam) drms. 4, cs. 20, (Marseilles) drms. 70, (Australian) 76		Soya-bean oil (Denmark)	380
Glycerophosphates (Havre) (pkgs.)	45	(Antwerp) ...	25
Gum acacia (Bombay) ...	60	(Rotterdam)	100
Gum copal (Rotterdam) ...	171	Soya-beans (Vladivostok)	
(Antwerp) ...	1,373	(bgs.) 102,000	



Memoranda for Correspondents.

All communications must be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with. Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest. Correspondents are requested to write each query on a separate piece of paper. Every endeavour is made to reply to queries without delay, but insertion of the replies in "the next issue" cannot be guaranteed, nor, as a rule, can they be sent by post. Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed.

Playing the Losing Game.

SIR,—I have just received a cheque for what the Insurance Committee call the balance of first year's trade—18s. 11½d. in the pound. I am pounds out of pocket by the transaction, and am carrying a heavy stock of drugs, etc., at the same time. I should like to ask, through your invaluable journal, how long will chemists bear to work on these unbusinesslike lines and agree to accept whatever money there is at disposal rather than be paid in full for goods delivered and labour employed? At the outset the whole business was thrust at the chemists and an answer demanded at once, and, in order not to be excluded from the list of dispensers, they accepted the unreasonable terms of the agreement, trusting that they would never fall short of a just and honest or generous treatment. Instead of that, we work at a despicable rate of pay, at a sweating Tariff, and are at the beck and call at any time of people, the majority of whom are suffering from the result of their own indiscretions. If the Tariff was 50 per cent. above the wholesale list it would not pay for the hours we put into the undesirable work. Is it to be supposed that we are a band of specially educated and qualified men formed to practise a new philanthropy, rather than make money or even pay expenses, of our experience and competency? Are the officials of the Insurance Committee paid at the rate of only 18s. 11½d. in the pound? I advise a general strike of the dispensers for—

- (1) A revision of agreement;
- (2) A revision of Tariff;
- (3) Full pay (20s. in the pound);
- (4) Limit of hours of dispensing;
- (5) Appeal against stated overcharges;
- and (6) Fixed time of pay, first of month following account rendered.

Yours truly,
FRANK W. BENNETT.

Edgware Road, W.

SIR,—Knowing how easy it is to criticise, I have hesitated to express an opinion on any aspect of the Insurance Act as it affects our calling; but the latest insult to our intelligence is to be found in the new form for pricing the drugs which have been raised through the war. If there be a reasonable prospect that the Drug Fund will permit of our accounts being paid in full, then I can understand the generosity of the administrators in augmenting the prices; but if the prospects of the current year are no better than the last, what chance is there of being paid in full at low prices, let alone at high ones? Under any circumstances, what would have been the difficulty in authorising the staff of checkers to increase the prices, or simply authorising chemists to price certain drugs higher on the ordinary prescription, without asking them to fill in a form, no regard being paid to the fact that over and over again one prescription may contain several articles the price of which has considerably risen? From the very beginning there seems to have been a lack of intelligence on the part of those who have been and are responsible for the conduct of affairs. Look at it what way you will: the anomalies of the Tariff;

the prescription-form (the early ones better than the later, with its pricing columns at the left); the method of rendering accounts—happily improved now. But all this is only by the way. The main thing we are concerned with is being paid for our labour. The whole trade from the beginning set out to facilitate the working of the Act, and laid no obstacles in the way: even the obnoxious discounting clause was accepted, so whatever may be our loss, we agreed to the discounting, and ought not to complain over the spilt milk, but we ought to see to it that we do not spill much more. What can be done as a step in this direction? First of all, the doctors are responsible for a large measure of extravagance. Why not endeavour to convert the "floating sixpence" into a floating shilling or more, taking the other sixpence from the doctors' share of the grant? In a certain neighbourhood I know, two doctors work under almost identical conditions on the same class of material; the average cost per scrip of the one is about 2s. 6d., of the other about 6d. Surely something here is wrong. Then there is the bottle question: why saddle the accounts with a charge for poison-bottles and promote waste, not to speak of the temptation for charging for bottles that have never been supplied? Of the thousands of prescriptions dispensed at one of my establishments since the passing of the Act, not a dozen bottles have been charged to the Act, and no difficulty has been experienced in getting people to provide their own. This in one of the poorest districts in London. Paupers even provide their own, so do those receiving medicine free of charge from the hospitals. Surely under an Act which is not a charity, where the public realise that they are paying for what they get, the bills should be paid in full or the expenses reduced by their providing the bottles. I do not mean by a loan system: we have had enough trouble without refunding money on poison-bottles; the present system of returning deposits on medicine-bottles is enough, and the dispensing-fee is not sufficient to cover washing bottles, or the provision of boxes, string, wax, and paper. Just think of it; you have an order for ung. boric. 3ss., and your payment for ointment, box, label, and wrapping is one halfpenny, with no dispensing-fee. What a Tariff! We claim to have materially assisted in the smooth working of the Act, and we are willing to continue rendering good and useful service at a very moderate fee, but many of the little difficulties we work under ought to be removed. Our committee-men and representatives must have more courage and determination to insist on fair and reasonable conditions. The public are beginning to know now the value of having their medicines from the chemist, so we ought to proceed with a little less trepidation.

Lambeth Walk, S.E.

J. WELLESLEY DOUGLAS.

"Who are Our Friends?"

SIR,—Is it not possible for your valuable paper to collect and publish a list of German firms in the wholesale drug-trade, but more particularly of those who are doing business under an English name, and in many cases probably an old-established business now run by German brains and capital? It is well known that this is the case in financial and other mercantile houses. Let us know our friends. It seems to me monstrous that we should help or support our country's deadly enemies who are quietly sucking our life-blood by their cunning and invisible methods. How is the average chemist to know whom he is dealing with? Or let the British firms publish their list of directors, managers, and owners: we should then know by deduction. Dozens of letters have been received stating, "Our house is British, goods made in Britain, employés British." That may be; but not a word about the actual owner and management. Where do they come from? We are suspicious. This is not a matter to be treated lightly, or with sickly sentiment of "returning good for evil." The Germans admit to nothing but "annihilation" of the British. Do chemists realise how this catastrophe has been carefully worked out, not only by the military section of the Prussians, but also by the bankers and merchants in every branch of trade? We shall be helping towards the final settle-

ment and a better future for Britain by refusing to pay a farthing to any German controlled firm.

I am, yours faithfully,

E. M. WHITING
(Of Chave & Jackson, Ltd.).

Hereford.

[See the statement by the Treasury in the *C. & D.*, August 29, p. 38. Every announcement appearing in our advertisement-pages is lawful in accordance with the terms of the Proclamation against trading with the enemy as interpreted by the Treasury and the Board of Trade. Others which might be interpreted as "trading with the enemy" have been excluded since the war commenced.—EDITOR *C. & D.*]

Lysol Made in England.

SIR,—In your issue of September 5 a letter appears under the above heading and signed "O. A. Elias." This letter appears to me to be entirely outside the question, and may be misleading to the British public. What we are concerned with is not who the firm of Chas. Zimmermann & Co., Ltd., are, but where and by whom was "Lysol" made previous to the outbreak of war; in other words, is Lysol German? I have always understood Lysol to be a German product. Zimmermann & Co., Ltd., may have been the agents. We do not blame them for this.

[Our correspondent proceeds to submit the following questions, "all pertaining to Lysol previous to the declaration of war":

1. By what firm was Lysol made?
2. Where was it manufactured?
3. Were Chas. Zimmermann & Co., Ltd., agents?
4. If manufactured by a limited company, give names and addresses of the managing directors of the company.
5. Give names and addresses of the shareholders of the company.
6. Have Chas. Zimmermann & Co., Ltd., purchased the rights of Lysol?]

Answers to the above questions, will show to us whether Lysol is really British or German, and whether part of the past profits of this product is now being used to slaughter our fellow countrymen. Personally every proprietary with the odour of Germany I have ceased to stock, and if all merchants in this country were of similar mind I am afraid the firm of Chas. Zimmermann & Co., Ltd., would write in vain regarding their German products.

Yours truly,

Glasgow.

PATRICK MITCHELL.

Not Hoodwinked (82/64) also writes putting a question as to when Lysol began to be made in England. See *C. & D.*, August 15, p. 36, and August 22, p. 44. Another question is as to "Lysol Fabrik, Hamburg," on the old bottles; on this point see p. 3 of the latter issue. Surely it is perfectly well known, and has not been questioned, that Lysol originated in Germany, and was made in Hamburg until the war broke out.

T. H. Lloyd (Quibell Bros., Ltd.), writing on the same subject, says: "One cannot conceive that when the war is over the German firm will make no claim upon the English firm of Messrs. Charles Zimmermann & Co. for the goodwill which has been established on behalf of the German firm in England; and since the English firm intend carrying on the business, and extending it if possible, during the continuance of the war, this will maintain the goodwill for the German interest. Otherwise the goodwill would lapse."

Subscribers' Symposium.

For questions, answers, incidents, and interchange of opinions among "C. & D." readers.

Capsella Bursa-Pastoris.

"This year the London herbalists and the resources of Covent Garden are unequal to providing this common plant. We want about 5 lb. of the fresh plant, and are willing to pay expenses of collecting if any country chemist will undertake to obtain it."—Keene & Ashwell, Ltd. (6 South Molton Street, London, W.).

Accounts and Envelopes.

"Now that 'window' envelopes are being used by retailers as well as wholesalers, cannot the latter adjust their statement headings so that window envelopes can be used by both parties? At present Maw's is the only heading I know which can be used in window envelopes by the retailer, though the B.D.H. comes near to it."—C. D. (84/46).

Helping the National Relief Fund.

"I should like to suggest that all pharmacists who have weighing-machines, and do not give the proceeds to a charitable institution, should give them either to the Prince of Wales's Relief Fund or to their county fund. By having a card printed and exhibited in the pharmacy, and a collecting-box on the counter for the money, I think a goodly sum would be obtained. I have found a very good response since starting."—*J. P. Swaffin* (Brixham).

War-priced Drugs in Insurance Prescriptions.

"Your expression of the N.H.I. forms for extra payments as 'ponderous' is not adequate, as it is impossible. It seems to have been forgotten that it is actually possible for a doctor to prescribe two or more of the drugs named on one prescription. The money column, I take it, is the account (if not, it is unnecessary). Under these circumstances, placing the amount on two or more forms would make the account wrong. How in the world one can annex one prescription to a dozen forms I fail to fathom. To have charged a 'third on cost,' as you suggest, would have simplified matters; otherwise what is wrong with the front page of the Tariff?"—*Sphinx* (82/41).

Keeping Down Expenses during the War.

"In reply to 'Protest's' letter in last week's *C. & D.*, in reference to substituting morphine for potass. bromid., etc., by the doctors in prescribing, to keep down expenses, by order of the Insurance Committee, I protest against this dishonesty towards the man who pays the insurance, trusting the Government with his money and to see he has the proper remedy for the disease he suffers from. There is nothing you can substitute that will have the same beneficial effect for which potass. bromid. is prescribed. The Bishop of Hereford once wisely said, 'If you want to put down gambling, the first thing to be done is to blow down the Stock Exchange.' If the Insurance Committee's chief aim is to put a debtor and creditor statement before the Chancellor of the Exchequer to make him smile, then the first and the most honest thing to be done is to reduce all the officials' salaries by half."—*Honesty* (81/90).

Legal Queries.

The majority of difficulties in regard to trade law are anticipated by the legal information printed in "The Chemist and Druggist Diary," 1914. See especially pp. 459-499.

Justice (77/11).—If the assistant was not engaged subject to a month's trial, he is entitled to a month's notice, or salary in lieu of it, at the end of the month. Unless specially agreed to, the assistant cannot recover expenses incurred in moving from one place to another. The war does not affect the legal obligations of either party to the agreement.

War Risk (82/57) puts this case: A firm of British merchants contracted with A, before the war, to supply goods of foreign manufacture by instalments. When war broke out part of the goods were undelivered. Can the merchants legally charge A for any war-risks insurance they may pay upon the goods which they obtain to supply to A under the contract? If the merchants fail to deliver the rest of the goods, is A entitled to buy similar goods elsewhere and charge the merchants with any excess he has to pay? [The merchants must bear the insurance themselves, unless the contract otherwise provides. If the goods are not delivered within a reasonable time after they are due, A may treat the contract as cancelled and buy elsewhere. If the merchants refuse to pay the excess above the contract price, A may sue them for damages, though it is doubtful whether the Court would, in view of the war, award him any substantial amount.]

Miscellaneous Inquiries.

A. F. C. (75/66).—Waterglass is useless as waterproofing for paper bags; hard white paraffin or Japan wax, liquefied and applied in a thin layer to the outside of the bags, is probably what is used by French horticulturists.

W. P. L. (79/75).—The active principle of ANUSOL SUPPOSITORIES is understood to be bismuth iodoresorcin sulphate (see "The Art of Dispensing," p. 224). SUPPOSITORIA HÆMORRHOIDALIA, D.A.V. (*C. & D. Diary*, 1914, p. 222), are a semi-official imitation.

P. J. W. (80/3).—THE WATERPROOF LINEN COLLARS to which you refer are dressed in the usual laundry manner, then treated with a resin or celluloid varnish, which is applied as a spray. The nature of the varnish and the manner of applying it vary according to the maker.

H. & L. (71/70).—PILE-POWDERS.—The object of the pile-powders of which you send a sample is to keep the bowels open and to maintain a state between constipation and looseness. For this purpose the patient takes the powders, according to the effect produced, one powder night and morning, in milk, being usual, but oftener if necessary. The sample is represented by the following formula:

Pulv. jalapæ	...	...	...	5iv.
Mag. carb. pond.	...	...	...	5iv.
P. zingib.	...	...	...	5j.
P. cinnam.	...	...	...	5j.
P. glycyrrh.	...	...	...	3iij.

Misce et div. in pulv. sing. 5ij.

Subscriber (80/96).—THEATRICAL COLD-CREAM for the removal of grease-paint, and similar to the specimen which you send, can be made from the following formula:

Japan wax	...	...	...	20 oz.
Nut oil	...	...	...	20 oz.
Liquid paraffin	...	...	...	80 oz.
Borax	...	...	...	1 oz.
Water	...	...	...	8 oz.

Melt the wax with the nut oil and half the liquid paraffin, add to it the borax dissolved in boiling water, stirring assiduously all the time, then add the rest of the liquid paraffin and stir until cold.

The soft appearance of your specimen is due to the cream being milled after it has been thoroughly mixed and cooled. You will find other formulas in "Pharmaceutical Formulas," p. 860.

Inquirer (74/35).—Enlargement of the prostate may be acute or chronic, and you give no indication of which is the trouble. In any circumstances, however, it is not possible to advise without diagnosis, which we cannot undertake.

Subscriber (78/37).—MENTHOL CONES are cast in moulds similar to those used for making suppositories and pessaries.

Necrol (74/26).—We have repeatedly tried the sample of EAU DE COLOGNE, "P.F.," No. XV., which you send, but cannot detect the musty after-odour to which you refer. We think, however, you will find the following addition useful:

Oil of bergamot	...	...	...	3j.
Acetic ether	...	...	...	℥v.
Hydrogen peroxide	...	...	...	℥x.
Distilled water	...	...	...	5j.
Rectified spirit	...	...	...	5v.

Keep the mixture in a bottle double its capacity, we stoppered and in a warm place, for six days, shaking occasionally. On the seventh day put 2 oz. of clean and dry sand into it; shake well, and filter at the end of the day through grey paper.

H. S. (76/70).—INSURANCE PRESCRIPTIONS containing war-priced ingredients.—A separate form is required for each drug (see *C. & D.*, August 29, p. 59):

Potass. bromid.	...	...	...	gr. xx.
Sodii bromid.,	...	...	...
Ammon. bromid.	...	...	...	aa. gr. x.
Inf. gent. co. ad	...	...	...	5j.

Mitte xij.

In this case you make an entry of 5j. on the ammonium-bromide form, the same on the sodium-bromide form, and 5v. on the potassium-bromide form. The entering involves little time, and the rendering no difficulty.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Sept. 15, 1864.

New Trade Company.

We have great pleasure in drawing attention to the very important announcement in our advertisement columns of the establishment of the Wholesale and Export Drug Co., Ltd., upon a principle of co-operation that will enable the retail chemist and druggist to become a participator in the profits that he has for so many years past been the means of producing for others, while the responsibility will be strictly limited to the amount of his shares. The project appears to us to be based upon a sound principle, and we shall not be surprised if the undertaking rapidly grows into an important property. It is very evident that the management will secure a large connection, and it will be the direct interest of every shareholder in the trade to transfer his business to the firm who will share the profits with him.

NATIONAL HEALTH INSURANCE.**HOMŒOPATHIC N.H.I. DISPENSING.
LIBERAL TERMS TO CHEMISTS.**

Homoeopathic Medicines in every form supplied in bulk for N.H.I. Dispensing.

PERLOIDS and **TABLETS** are the best forms for Dispensing—the most satisfactory to the doctor and patient; insuring accuracy of dose and ease of administration, and are the *most remunerative* to the Chemist of any form of medicine on the tariff.

SEND FOR PRICE LIST AND TERMS.

Ashwell's Companion to the British & American Homoeopathic Pharmacopoeias. Price 3/6 net.

The best work of reference for Homœopathic Dispensing.

KEENE & ASHWELL, Ltd., *Manufacturing Homoeopathic Chemists,*
6 SOUTH MOLTON STREET (late 74 New Bond Street), LONDON, W.**If your business is "War-Sick"—**

we advise the following prescription. It will be seen that the "physic" is composed of really necessary lines—that are not in any way affected by existing circumstances. Many Chemists have tried it, and say that their turnover is above normal.

THE PRESCRIPTION.

	At	Selling at
1 doz. T.M. Smoker's Tooth Powder, with showcards, etc.	s. d. 2 3	4½d. each. (P.A.T.A.)
3 doz. Zepto Antiseptic Tartar Removers, showcards, &c.	13 6	7½d. each. (P.A.T.A.)
3 doz. Packets Stym-ped Foot Shampoo in decorated carton. Antiseptic, healing and cleansing	4 6	3d. each.
10 lbs. Py-Shan Points Tea, in ¼-lb. and ½-lb. packets, with advt. matter, samples, etc.	15 10	2/- per lb.
Total Cost of Cure	36 1	
NET PROFIT	19 11	

Will you please ring up or send a card for particulars of Window Shows, etc., in connection with these lines? Photographs and specimens of advertising matter, together with samples of the articles themselves, will willingly be forwarded on request.

THOS. CHRISTY & CO., 4, 6, 8, 10, 12 Old Swan Lane, London, E.C.

Telephones: City 4278-4279.



FELLOWS' SYRUP OF THE HYPOPHOSPHITES

Efficient, reliable and always uniform.
Universally prescribed since 1866—
the year of its introduction

Reject > Cheap and Inefficient Substitutes
Preparations "Just as Good"

PRECIPITATED CRETA PRÆCIP. CHALK.

"Sturge's
Chalk."



Lightest
on the Market.

All grades from the **LIGHTEST** to **VERY DENSE**.

MANUFACTURED BY

JOHN & E. STURGE, Ltd., 18 Wheellys Lane, BIRMINGHAM.

Agents:

THE NATIONAL ANILINE & CHEMICAL CO., 100 William St., NEW YORK.

ALPHONSE RUCH, 63 Rue des Archives, PARIS.

Also Manufacturers of—

**CITRIC ACID, BICARBONATE OF POTASH, ROCHELLE
SALTS and pulv. SEIDLITZ, FLUID MAGNESIA, and
"CITRATE OF MAGNESIA," and other Effervescent Saline
Preparations.**

Telegrams: "Sturgeon Birmingham."

BRUNNER, MOND & CO.'S

Alkali
Products.



Crescent
Brand.

These products are made by the Ammonia Process, and are distinguished from others by their great purity.

**Bicarbonate
of
Soda.**

This Bicarbonate answers all the requirements of the British Pharmacopœia. It is a pure, refined, and recrystallised salt, particularly free from metals or any base other than soda. This sodium bicarbonate is specially suitable for the preparation of granular effervescent preparations and salines, seidlitz powders and baking powders, and is well adapted for other medicinal and domestic purposes. It is the purest and cheapest sodium bicarbonate made.

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This sodium compound (sodium sesquicarbonate) is a variety of carbonate of soda in small silky crystals, containing much less water than ordinary washing soda; 1 lb. of it does the work of 2 lbs. of washing soda. Concentrated crystal soda is excellently suited for chemists' trade; they can make a speciality of it, and it is also suited for making water-softeners, brush powders, hair-wash powders, and the like.

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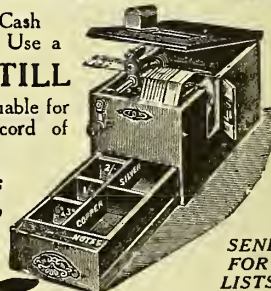
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 " Boric Pulv., 3 cwt. @ 33/- cwt.; 1 cwt. @ 33/6 cwt.; levigd. 3/- cwt. or 1/4 lb. extra.
 " Carb. Tins, 30/4; 56 lbs. @ 1/4 lb.; 10 lb. Tins, 10/- each; 36 1-lb. Bots. @ 1/1 lb.; Single Bots. @ 1/3 lb.
 " Hydrobrom. Dil. P.B., 6 lbs. @ 1/- lb.
 " Oxalic Cryst., 14 lbs. at 8d. lb.
 " Phosph. Dil. B.P., 7 lbs. @ 4 1/2 lb.
 " Salicyl. Pulv., 7 lbs. @ 3/9 lb.
 " Tannic. B.P., 7 lbs. @ 4/- lb.
 " Tart. cryst. or pulv., B.P., 1835, 7 lbs. @ 1/8 lb.; parv. 1/4 lb. extra.
 Adeps Benz., B.P., 28 lbs. @ 9d. lb.; 7 lbs. @ 10d. lb.
 Ammon. Carb., lump, 3 cwt. @ 4d. lb.; 28 lbs. @ 5 1/2 lb.; 7 lbs. @ 5 1/2 lb.; powder, 1/4 lb. extra.
 *Aqua Anethi Conc. 1-40, 1 lb. @ 2/11 lb.
 " Anisi Conc. 1-40, 1 lb. @ 3/1 lb.
 " Aurant. Conc. 1-40, 1 lb. @ 6/1 lb.
 " Cinnam. Conc. 1-40, 1 lb. @ 3/4 lb.
 " Menth. Pip. Conc., 1-40, 1 lb. @ 3/- lb.
 " Rosae Conc., 1-40, 1 lb. @ 7/- lb.
 Bismuth, P.B., Carb., 7 lbs. @ 11/5 lb.; 3 lbs. @ 11/6 lb.; 1 lb. @ 11/8 lb.; subnit. 1/- lb. less.
 Camphor, English Flowers, "not artificial," 5 lbs. @ 2/3 lb., 1/2 oz. or 1/4 oz. 7 lbs. @ 2/4 lb. Chloral Hydras Cryst. B.P., 1 lb. @ 8/6 lb.
 Chlorodyne, 5 lbs. @ 2/- lb.
 Chloroform, pure, B.P., 12 8-lbs. @ 2/- lb.; 8 lbs. @ 2 1/2 lb.; 6 1-lb. bots. @ 2/3 1/2 lb. Conf. Sennæ, P.B., 14 lbs. @ 9d. lb.; 7 lbs. @ 9 1/2 lb.
 Creasote, Beechwood, P.B., 7 lbs. @ 3/6 lb.
 Creta c. Camph., 7 lbs. @ 8d. lb.
 D. Ec. Aloes Co. Conc. 1-2, 6 lbs. @ 2/9 lb.
 " Sinecroco, 6 lbs. @ 1/2 lb. 1 lb.
 " Cinchonæ (Rubra) Conc. 1-7, 6 lbs. @ 1/10 lb.
 " Sennæ Conc., 6 lbs. @ 2/8 lb.
 Emp. Ficus, P.B., 7 lbs. @ 8 1/2 lb.
 E. Plumbi, P.B., 7 lbs. @ 8 1/2 lb.
 " Resinæ, P.B., 7 lbs. @ 8 1/2 lb.
 " Rosorans, 7 lbs. @ 8 1/2 lb.
 Emulsio Ol. Morrhuæ, 5 lbs. @ 11d. lb.
 *Ext. Belladonna Liq., B.P., 5 lbs. @ 7/- lb.; 1 lb. @ 7/3 lb.; solid, 7 lbs. @ 4/3 lb.
 Ext. Cannab. Ind., Alc., B.P., 1 lb. @ 45/- lb.
 Ext. Cascara Sag. Liq., B.P., 1 cwt. @ 1/0 1/4 lb.; 10 lbs. @ 1/2 lb.
 *Ext. Ergot. Liq., P.B., 5 lbs. @ 7/9 lb.; 1 lb. @ 8/- lb.
 *Ext. Glycyrrh. Liq., B.P., 6 lbs. @ 1/7 1/2 lb.
 *Ext. Hamamelis Liq., P.B., 5 lbs. @ 3/5 lb.
 Ext. Hyoscyam., Solid, B.P., 3 lbs. @ 4/9 lb.; 1 lb. @ 5/1 lb.
 *Ext. Ipecac. Liq., P.B., 5 lbs. @ 13/6 lb.; 1 lb. @ 14/6 lb.
 Ext. Malt. c. Ol. Jecoris, 10 lbs. @ 5 1/2 lb.
 *Ext. Nucis Vom. Liq., P.B., 5 lbs. @ 3/5 lb.; 1 lb. @ 3/8 lb.; solid, 5 lbs. @ 3/7 lb.; 1 lb. @ 3/10 lb.
 Ext. Quassia, Solid, 7 lbs. @ 6/- lb.; 1 lb. @ 7/4 lb.
 Ext. Sarsæ Co. Solid, 7 lbs. @ 4/- lb.; 1 lb. @ 4/6 lb.
 Ferri Carb., 1 cwt. @ 21/- cwt.; 28 lbs. @ 3d. lb. " et Quinina Cst. P.B., 25 ozs. @ 8d. lb.
 Fol. Buchu, oval, good green, 7 lbs. @ 2/8 lb. Fol. Sennæ Finnew., 1 cwt. @ 4d. lb.; 7 lbs. @ 4 1/2 lb.
 Formaldehyde, 7 lbs. @ 1/1 lb.
 Glycerin, Opt. D., 1,260 P.B., 1 cwt. @ 105/- cwt.; 56 lbs. @ 106/- cwt.; 12 lbs. @ 1/2 lb.
 *Glycerin. Acid. Boric, P.B., 6 lbs. @ 1/6 lb.
 " Acid. Carbolic, P.B., 6 lbs. @ 1/6 lb.
 " Acid. Tannic, P.B., 6 lbs. @ 1/6 lb.
 " Belladonna. B.P.C., 6 lbs. @ 3/- lb.; 1 lb. @ 3/3 lb.
 *Glycerin. Boracic, P.B., 6 lbs. @ 1/3 lb.
 " Pepsin Acid, P.B., 1 lb. @ 3/4 lb.
 " Plumbi Subacet. P.B., 6 lbs. @ 1/7 lb.

Gum Tragac. Elect., English Ground, 7 lbs. @ 4/- lb.; 1 lb. @ 4/3 lb.
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 " Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 1/3 lb.
 " Buchu Conc., 1 to 7, 6 lbs. @ 2/2 lb.
 " Calumbæ Conc., 1 to 7, 6 lbs. @ 11d. lb.
 " Caryoph. Conc., 1 to 7, 6 lbs. @ 1/- lb.
 " Cascarilla Conc., 1 to 7, 6 lbs. @ 1/4 lb.
 " Cinchonæ Acid, 1 to 7, 6 lbs. @ 1/7 lb.
 " Gentianæ Co., 1 to 7, 6 lbs. @ 1/1 lb.
 " Quassia Conc., 1 to 7, 6 lbs. @ 9d. lb.
 " Rhei Conc., 1 to 7, 6 lbs. @ 1/6 lb.
 " Rosæ Acid. Conc., 1 to 7, 6 lbs. @ 1/8 lb.
 " Sennæ Conc., 1 to 7, 6 lbs. @ 2/6 lb.
 " Valerian Conc., 1 to 7, 6 lbs. @ 1/3 lb.
 L. in. Aconiti Meth., 5 lbs. @ 1/2 lb.; 1 lb. @ 1/5 lb.
 " Bellad. Meth., 5 lbs. @ 1/9 lb.; 1 lb. @ 2/- lb. 1/3 lb.
 " Camph. P.B., 40 lbs. @ 1/2 lb.; 9 lbs. @ 1/3 lb.
 " Sapo Meth., 9 lbs. @ 7d. lb.
 " Tereb. Acet., B.P., 5 lbs. @ 1/- lb.
 *Liq. Ammonii Acetatis Conc. 1-7, 6 lbs. @ 8d. lb.; 1 lb. @ 1/- lb.
 " Ammon. Aromat., 6 lbs. @ 9d. lb.
 " Antim. Chlor. Pure, 8 lbs. @ 6 1/2 lb.
 " Arsenicalis, B.P., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.
 " Arsenii Hydrochlor., P.B., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.
 " Bismuth, P.B., 6 lbs. @ 1/4 1/2 lb.

We have been requested by so many of our friends to give them current prices that we endeavour by means of the rates quoted herein to give them some idea of our ruling quotations. We can only supply such quantities as are listed, and reserve to ourselves the right to reduce amount ordered if we deem it advisable.

*Liq. Copaiba Buchu et Cubeb, 5 lbs. @ 2/8 lb.; 1 lb. @ 3/- lb.
 " Easton, p.s. 1-3, B.P., 1 lb. @ 3/- lb.
 " Ferri Dialysatus, B.P., 7d. lb.
 " Ferri Iod. p.s., 1-7, 1 lb. @ 8/- lb.
 " Ferri Perchlor. Fort., P.B., 7 lbs. @ 4d. lb.
 " Ferri Phosph. Co. p.s., 1-7, 7 lbs. @ 1/6 lb.
 " Hamamelidis, B.P., 6 lbs. @ 1/1 lb.
 " Hypophosph. Co. p.s., B.P.C., 1 lb. @ 3/4 lb.
 " Iodi Fort. B.P., 5 lbs. @ 5/8 lb.
 " Morphinæ Acet. or Hydrochlor. P.B., 6 lbs. @ 2/9 lb.
 " Opium Sed., 5 lbs. @ 4/6 lb.
 " Plumbi Subacet., P.B., 7 lbs. @ 3 1/2 lb.
 " Pruni Virg. p.s., 1-7, 5 lbs. @ 2/2 lb.
 " Rheados pro Syr., 1 to 7, 5 lbs. @ 1/11 lb.
 " Rhei p.s., 1-7, 6 lbs. @ 2/2 lb.
 " Santali Co., 1 lb. @ 4/- lb.
 " Sennæ Dulc. 6 lbs. @ 1/4 lb.
 " Sennæ pro Syr., 1-7, 6 lbs. @ 2/- lb.
 " Strychnina Hyd. P.B., 6 lbs. @ 1/6 lb.
 " Tolut. pro Syr., 1-7, 6 lbs. @ 1/8 lb.
 " Trinitrinai, B.P., 1 lb. @ 6/1 lb.
 Mag. Calc. Pond., 7 lbs. @ 1/10 lb.; 1 lb. @ 2/- lb.
 Mag. Carb. Pond., 56 lbs. @ 6 1/2 lb.; 7 lbs. @ 7 1/2 lb.
 Mag. Sulph., fine druggists', B.P., 1 cwt. @ 9/- lb.
 *Mist. Sennæ Comp. B.P., 20 lbs. @ 6 1/2 lb.; 6 lbs. @ 7 1/2 lb.

Morphinæ Acet. Hydrochlor. or Sulph., Pulv. B.P., 25 oz. @ 11/4 oz.; 16 oz. @ 11/6 oz.; 8 oz. @ 11/9 oz.; 1 oz. @ 12/6 oz.; Pur. Præcip. Bimeconate or Tart., 1 cwt. @ 14/6 cwt.; 56 lbs. @ 7/- cwt.; 28 lbs. @ 19/- cwt.
 Naphthalene Candles or Balls, 1 cwt. @ 14/6 cwt.; 56 lbs. @ 7/- cwt.; 28 lbs. @ 19/- cwt.
 O. Cajuput, B.P., 21 1/2 lbs. @ 3/6 lb.; " Caryoph. Ang., B.P., 9 lbs. @ 4/5 lb.; 4 1/2 lbs. @ 4/7 lb.
 Ol. Juniperi Bacc., B.P., 4 1/2 lbs. @ 3/8 lb.; 1 lb. @ 4/1 lb.; Ligne Extol., 1 cwt. @ 1/2 lb.; 28 lbs. @ 1/4 lb.; 9 lbs. @ 1/5 lb.
 Ol. Lavand. ab Flor., 5 lbs. @ 15/- lb.; 1 lb. @ 15/6 lb.
 Ol. Menth. Pip. English, 5 lbs. @ 34/6 lb.; 1 lb. @ 36/- lb.; American, 20 lbs. @ 14/- lb.; 4 1/2 lbs. @ 14/9 lb.; 1 lb. @ 15/6 lb.
 Ol. Olive, P.B., good yellow, guaranteed pure, 2-gall. tins @ 7/- gall.; fine cream, 9 lb. tins @ 8/6 each.
 Ol. Peach Kernel (so-called), 1 cwt. @ 1/1 lb.; 56 lbs. @ 1/2 lb.; 9 lbs. @ 1/3 lb.
 Ol. Pulegii, B.P., 5 lbs. @ 5/9 lb.; 1 lb. @ 6/3 lb.
 Ol. Ricini Alb. Opt. Medicinal, 176 lbs. @ 47/6 cwt.; 88 lbs. @ 48/6 cwt.; 44 lbs. @ 50/- cwt.; 9 lbs. @ 7d. lb.; for export, 1 cwt. drums recommended, 9/6 each extra.
 Ol. Rosmarini, Coml., 28 lbs. @ 1/6 lb.; 9 lbs. @ 1/7 lb.; B.P., 9 lbs. @ 2/5 lb.; 1 lb. @ 2/9 lb.
 Ol. Santal. Flav. Ang. B.P., 5 lbs. @ 23/6 lb.; 1 lb. @ 24/- lb.
 Ol. Wintergreen, Artificial, 5 lbs. @ 3/- lb.; 1 lb. @ 3/3 lb.
 Oxymel Scillæ, B.P., 5 cwt. @ 34/6 cwt.; 1 cwt. @ 36/6 cwt.; 7 lbs. @ 7d. lb.
 Pepsin, B.P., 1 lb. @ 12/6 lb.
 Phenacetin, P.B., pulv., 1 lb. @ 7/6 lb.
 Phenazone, P.B., 1 lb. @ 13/- lb.
 Podophyll. Resina, B.P., 1 lb. @ 13/- lb.
 Potas. Acetas. Gran. P.B., 7 lbs. @ 1/6 lb.
 Potas. Bicarb. Pulv., 7 lbs. @ 6d. lb.
 Potas. Brom. 7 lbs. @ 5/6 lb.; 1 lb. @ 6/- lb.
 Potas. Chlor. Pulv., 7 lbs. @ 8d. lb.
 Potas. Cit., B.P., 4 lbs. @ 4/3 lb.
 Potas. Iod., P.B., 7 lbs. @ 14/- lb.; 3 lbs. @ 14/6 lb.
 Potas. Prussias Flav., 7 lbs. @ 1/5 lb.
 Pulv. Cretæ Arom. P.B., 14 lbs. @ 7d. lb.; c. Opio, B.P., 7 lbs. @ 1/9 lb.
 Pulv. Glycyrrh. Co. B.P. (Green), English Ground, 56 lbs. @ 50/- cwt.
 Pulv. Ipecac. Comp. P.B., 1 lb. @ 4/- lb.
 " Jalap Comp. P.B., 1 lb. @ 1/6 lb.
 " Rhei Comp. P.B., 1 lb. @ 1/2 lb.
 Quinina Sulph., B.P., 100 oz. @ 1/4 oz.; 25 oz. @ 1/5 oz.; 10 oz. @ 1/5 1/2 oz.
 Rad. Glycyrrh. English Ground, 1 cwt. @ 33/- cwt.; 7 lbs. @ 4 1/2 lb.
 Rad. Ipecac. Rio., 7 lbs. @ 9/3; 1 lb. @ 9/6 lb.
 Rad. Rhei, E.I., English Ground, 1 cwt. @ 1/3 lb.; 28 lbs. @ 1/6 lb.; 7 lbs. @ 1/7 1/2 lb.
 Salicinum, B.P., 1 lb. @ 16/10 lb.
 Salol, B.P., 1 lb. @ 5/- lb.
 Santoninum, P.B., 8 oz. @ 170/- lb.
 Soda Cit., B.P., 1 lb. @ 5/- lb.
 Sodii Sulph., 7 lbs. @ 4/- lb.; phys. pur., 1 lb. @ 4/8 lb.
 *Spt. Aether Nit. P.B., 4 1/2 lbs. @ 3/7 1/2 lb.; 1 lb. @ 3/10 1/2 lb.
 " Ammon. Aromat., P.B., 5 lbs. @ 2/10 lb.
 " Chloroform, P.B., 5 lbs. @ 3/7 lb.
 Strychnina Cryst. B.P., 4 oz. @ 2/4 oz.; Hydroch. and Sulphate, 2d. oz. less.
 *Syr. Aurant. P.B., 7 lbs. @ 10 1/2 lb.
 " Easton, B.P., 7 lbs. @ 1/2 lb.
 " Ferri Iodid. P.B., 7 lbs. @ 1/6 lb.
 " Ferri Phosph. Co., 7 lbs. @ 6 1/2 lb.
 " Hypophosph. Co. B.P.C., 7 lbs. @ 10 1/2 lb.
 " Pruni Virg. B.P., 8 lbs. @ 8 1/2 lb.
 " Rhamni, 7 lbs. @ 11d. lb.
 " Rhei, P.B., 7 lbs. @ 9d. lb.
 " Scillæ, P.B., 7 lbs. @ 6d. lb.
 " Sennæ, P.B., 7 lbs. @ 9 1/2 lb.
 " Tolut. P.B., 7 lbs. @ 8 1/2 lb.
 Thymol, 1 lb. @ 25/- lb.
 Zinc Oxid., Whitest and Lightest, B.P. 28 lbs. @ 7d. lb.; 7 lbs. @ 8d. lb.

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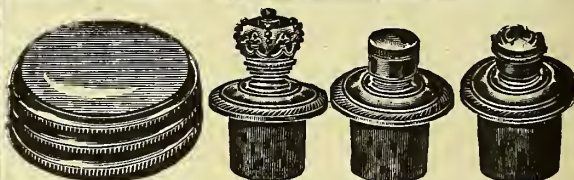
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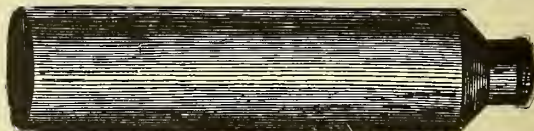
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EVANS SONS LESCHER & WEBB, LTD., London & Liverpool.

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THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, SEPTEMBER 12, 1914.

Telephone Number: Bank 852 (two lines). Telegraphic Address: "Chemicus, Cannon London" (charged as two words)

A COPY OF THIS SUPPLEMENT IS INSERTED IN EVERY NUMBER ISSUED OF "THE CHEMIST & DRUGGIST."

**BEST RESULTS
EVERY WEEK!**



Read this letter, received on Sept. 9, from a manufacturing firm:—

"There will be no need to renew advert. in Supplement. We had a record number of replies and believe we are fixed up." (83/38)

A practical illustration that this Supplement gives

THE PUBLICITY IT PAYS TO PAY FOR.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—SURREY (Suburban).—Modern Pharmacy, situate in good-class residential locality; returns £1,200 (present rate); *net profit about 25 per cent.*; good shop and premises; held on lease; reasonable offer would be considered.

2.—LONDON, W. (few miles out).—Retail and Dispensing Business; excellent position; returns, present rate, £1,200, at fair prices; well-appointed shop; rent £56; to effect a speedy transfer the vendor will make some sacrifice.

3.—ESSEX.—Ready-money Business; no near opposition; held by vendor upwards of 20 years, now retiring owing to advanced age; returns last year £705, which produced a *net profit of £232*; rent £33; price £260; the concern is thoroughly bona fide and will bear the fullest investigation.

4.—HOME COUNTY (within easy distance of town).—Retail and Dispensing Business, chiefly ready money; returns £600; *net profit 33 per cent.*; rent £36; price £350; the district is rapidly growing and offers scope for extension of trade.

5.—LONDON, S.E.—Good middle-class Retail and Photographic trade; returns average between £700 and £750; *gross profit 40 per cent.*; excellent position in main thoroughfare; large shop, fully stocked; any one adding N.H.I. Dispensing would materially increase the turnover; price £275.

6.—SURREY (Main Line of Rail).—Retail and Dispensing Business; established upwards of 50 years; returns average about £540, and *net profit* £170; terms, valuation, about £150 to £200.

7.—BIRMINGHAM.—Cash Retail trade; main thoroughfare; returns between £650 and £700 yearly; *net profit exceeds £200*; price £250, less than the value of stock and fixtures; vendor has held the business over 30 years.

8.—MIDLANDS (Market Town).—General Retail, together with N.H.I. Dispensing; good position; returns £1,100; vendor having purchased a Dental practice which requires his personal attention, is willing to accept any reasonable offer, in fact give it away.

9.—GREAT WESTERN MAIN LINE.—Good-class Retail and Dispensing Business, situate in the centre of good market town; returns steadily increasing, last year being £1,240; *net profit* £300; vendor has purchased another business; will consider a reasonable offer, say £800.

10.—KENT (Popular Health Resort).—For immediate Disposal. Retail and Dispensing Business, situate in the Market Place; returns average £791; good profits; the shop offers a splendid nucleus to a young man with small capital at command; price £225.

11.—ESSEX (Rising Health Resort).—Retail and N.H.I. Dispensing; no near opposition; steadily increasing; returns now about £1,050, at fair prices; rent £50 on lease; good house, with private entrance; price £600.

12.—SOUTH COAST (near the Solent).—Good-class Retail and Dispensing Business; returns between £750 and £800; modern-fitted Pharmacy; terms, valuation of stock and fixtures.

13.—YORKS (Large Town).—Dispensing and Retail Business, of good class; held by vendor many years; returns exceed £1,300 per annum; well-appointed shop and residence; price £900, about the value of stock and fixtures.

14.—KENT.—Capital position in main road of good residential district; returns £705, gradually increasing; *net profit about one-third*; vendor estimates value of stock and fixtures at £400 to £450; price £450.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.
ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BRETT & CO.

Licensed Valuers,

73 LAUREL ROAD, LEICESTER.

Telegrams, "Brett Leicester."

Telephone 1934.

F. J. BRETT, M.P.S.,

GIVES PERSONAL ATTENTION TO ALL VALUATIONS.
NO CHARGE TO BUYERS.

AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS to the Entire DRUG TRADE.

£5,000 returns.—MIDLANDS.—Very old-established Cash Retail, with large sale of own Specialities; fine position; large and well-fitted shop and good residence; goodwill £250 and stock and fixtures at valuation, in all about £2,000.

£800 returns (nearly).—SOUTH COAST.—Death Vacancy; good-class and very profitable Light Retail; price £400, or near offer.

£1,300 returns.—YORKS.—High-class Suburban Retail and Dispensing; nice house, yard, and garden; at valuation of stock and fixtures, about £900.

£1,100 returns.—LEICESTERSHIRE.—Good-class Light Family Retail in centre of growing market town; good house; net profit about £250; at valuation of stock and fixtures, about £650.

£400 returns.—LIVERPOOL.—Good corner position; quite capable of doing £20 per week with personal attention; very profitable; changed hands once in 70 years; price £160.

£1,370 returns.—KENT.—Light middle-class Cash Retail; steadily increasing; fine corner position; net profit £350; ill-health sole cause of sale; at valuation of stock and fixtures, about £750.

£480 returns.—SOUTH COAST.—Light Retail, Prescribing, and Shipping; plenty of scope for increase; vendor anxious to take active service at once with the Army, will accept £200 or near offer, simply bargain price.

Valuations conducted upon the shortest notice at moderate fees.

PARSON C. BAKER

1 MOUNTFIELD ROAD, CHURCH END, FINCHLEY, N.

Tel. No. Finchley 812.

Recommended by—BRITISH DRUG HOUSES LTD.

MEGGESON & CO., LTD.

BARCLAY & SON, LTD.

All correspondence should be addressed as above:

And at 174 VICTORIA STREET, S.W. Tel. No. Victoria 22.

Very strongly recommended.

An old-established Business, in central position, large town, South Wales, from which proprietor is retiring solely on account of ill-health; returning over £2,000 in good all-round trade at fair prices; business continuously increasing, and good scope for further extension, or house can be let off to Dentist, Optician, etc.; rent £100, on lease; price about £1,000, or valuation terms, and part purchase money can remain.

Best part of central thoroughfare, nearest to high-class residential neighbourhood; a modern-fronted, well-fitted Shop and good house, with very small garden and good greenhouse, doing continuously increasing return, in first-class South Coast watering-place; now doing over £2,000 and giving about £400 absolute net profit in good Dispensing (no contract) and General Retail; vendor desires to travel, and will accept £1,500 rather than put it under management.

Valuations in town or country on very moderate terms.

THOS. TOMLINSON & SON

CHEMISTS' VALUERS, TRANSFER AGENTS,
AND EXPERT STOCKTAKERS,

45a MARKET STREET, MANCHESTER.

ESTABLISHED OVER HALF A CENTURY.

Telegraphic Address: "Tomtom."

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

MESSRS. BERDOE & FISH

Chemists' Valuers and Transfer Agents,

35 JEWRY STREET, FENCHURCH STREET, CITY.

TELEPHONE: 1809 CENTRAL.

Have the following businesses for Disposal. (No charge to Purchasers.)

1.—SOUTH-WEST OF ENGLAND.—Owner, having bought much larger business, is prepared to accept a low price for his present business, situated in centre of important market town; high-class Retail and Dispensing; no side lines; returns £1,250; net profit over £300, after paying everything, including assistant; price £800, or first reasonable offer.

2.—LEICESTERSHIRE.—Good-class General, Retail, Dispensing, and Prescribing Business in very best position in busy industrial town; returns £1,100; net profit £325; books properly kept, and every investigation courted; good house; low rent; on lease; sole cause of sale, owner leaving the trade; price £600, or bare valuation, if preferred.

3.—SOUTH LONDON.—Good middle-class Suburban Business, not on Panel, and with plenty of room for increase; present hands 30 years, and retiring; returns exceed £1,100; net profit £500 clear; own property; main-road position; excellent stock; price £1,050; personally inspected and recommended.

4.—CHESHIRE.—Good-class Dispensing and Light Retail; over 3,500 private scripts yearly; returns £1,000; net profit £300; Assistant kept; good residential locality; nice house, etc.; price £750.

5.—BUCKS (Charming District).—Good Light Retail Business, increasing; returns £1,200; net profit £350 clear; splendid house and garden; very best position, market town; price £800; strongly recommended.

6.—LINCOLNSHIRE.—Good-class Retail, Dispensing, and Prescribing, with N.H.I.; returns £1,600; net profit about £600; low rent; busy market town; price £900.

7.—SURREY (Favourite Locality).—High-class Business, in excellent position; formerly doing £1,400, now under manager; handsome shop, fully stocked; large house; low rental; price £750, or £100 and valuation.

8.—SUSSEX (near Coast).—Unopposed Light Country Retail in charming locality; easily worked; returns £500; net profit £152; nice house and garden; owner retiring; price £300, or offer.

9.—MIDLANDS.—Light Family Retail, Prescribing and Dispensing Business; returns over £1,300; clear net profit £400; low rent; lock-up shop, well fitted and heavily stocked; price £750, simply valuation.

10.—KENT (50 miles out).—Unopposed Light Retail; under indifferent management; returns £500; good profits; plenty of scope; modern premises, well fitted and stocked; price £250, much below valuation; £150 can remain.

11.—LONDON, S.W.—Good-class Dispensing and Light Retail, in splendid main road position; returns £1,450; good profits; handsome Pharmacy, well stocked; price £800; personally inspected.

12.—NORTH LONDON.—Very profitable Light Suburban Retail Business, in unique position; returns £800; net profit £300; books well kept; price £425, or offer; £200 can remain; strongly recommended.

VALUATIONS FOR STOCKTAKING.

We strongly urge all Chemists to read page 48 in this year's "C & D. Diary," and then write for our Pamphlet on Stocktaking and Its Advantages. Our terms are very low, and every valuation carried out in full detail by experts; 43 years' practical experience.

BUSINESSES FOR DISPOSAL.

3s 6d. for 50 words or less; 6d. for every
10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box number being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

CORNWALL.—Old-established Light Retail, in large fishing village and seaside resort; population 3,000; no opposition; returns £40 monthly, good profits; capable of increase; nice shop, house and small garden; rent £20; accept £160 for quick sale. 238/19, Office of this Paper.

EASTERN COUNTY.—Light Retail Business for Sale in large village; returns £450; net profit over £150; low rent; unopposed; very easily worked; valuation of stock and fixtures about £150; price for quick sale £100, or near offer. 238/10, Office of this Paper.

LONDON, S.W.—Advertiser, having purchased West-End business offers his Suburban one for immediate Disposal; returns £1,450, increasing; Pharmacy, double-fronted, fitted in best style and well stocked; capital position on main road; price £800; open for inspection any time by appointment. "Pharmacist," 294 Brixton Hill, London, S.W.

LONDON Suburb.—Unopposed Cash Business; returning £1,300; genuine investment; price £600, less than stock and fixtures; good reason for disposal. Further particulars on application, 239/26, Office of this Paper.

YORKSHIRE.—Chemist-Optician's Business; double-fronted; main position; Wine and Spirit Licence; house and large warehouses; well fitted and stocked; suit M.P.S., F.S.M.C.; opening for N.H.I., Dentistry; long lease; Optic profits alone pay all expenses, including Assistant's salary; rent £60; staff depleted through war; owner having other branches must sell; price about £900; first time advertised; no agents need apply. 237/36, Office of this Paper.

FOR Sale immediately, at any price, small Light Retail, Shipping and Prescribing Business in a large South Coast town; very profitable; owner wishes to volunteer for active service. 234/27, Office of this Paper.

PATRIOTIC sacrifice to rejoin the Colours.—Sound, prosperous Mixed Cash Business in the country; population 7,000; very growing industrial district; turnover £700; splendid profits; modern shop, fully stocked; rent and rates very low; will sacrifice at £230; this is a chance seldom met with. 235/12, Office of this Paper.

VERY old-established Chemist and Druggist's Shop, High Street, Walsingham; the only one in the neighbourhood; possession at Michaelmas; excellent opportunity; lease if wanted. Apply to James Dagless, Walsingham, Norfolk.

BUSINESSES WANTED.

BUSINESS wanted, turning over £1,400 to £2,000; good class; cash will be paid for suitable concern; required in Southern Counties of England, in town of 12,000 population or larger. Reply to "English" (237/11), Office of this Paper.

AGENCIES.

REPRESENTATIVE, excellent connections and well known to all Chemists, Stores, Grocers, etc., in London and South, 20 years with present firm, travelling 17 years, wishes to become Agent for good first-class English or American house in London; age 38; full of energy and up to date; intend taking office. 239/17, Office of this Paper.

BOARD AND RESIDENCE.

STUDENT wishes to recommend Lodgings near London and Westminster Colleges. 2 Jeffreys Road, Clapham Road, S.W.

APPRENTICESHIPS.

TO Chemist requiring an Apprentice. Kindly communicate with 238/25, Office of this Paper.

FOR SALE.

DRUG Plant (Second-hand).—30-gallon Vacuum Plant, with Copper Pan, Pump, and Fittings complete, by Morton; Gun-metal Filter; Pill-coating Machine by Wilkinson; Gas Oven, 6 by 4 by 4, with Trays, by Parkinson; 3 Hand Capsuling Machines. Photos and price on application, M'Coy & Sons, Ltd., Machinery Merchants, Belfast.

SHOP Fittings, Window Fittings, 7 Glass Shelves; back Fittings, 22 ft.; 2 Poison Cupboards; 30 small, 20 large Drawers (5 Lockers, 2 Cupboards under), all Mahogany; Mahogany Counter, 21 Drawers and Till in front; 6 Cases, Plate Glass; Dispensing Shield with Perfumery Case in front and Sponge Case; 7 Show Cases, Mirror Back, 28 Shelves; 7 Show Cases, 14 Shelves; Pavement Lamp; what offers? 76 Upper Tulse Hill, Brixton.

TWO National Cash Registers for Sale; both up-to-date machines; one a ticket printer; cheap. Letters to C. Hard, 59 Ferndale Road, South Tottenham, N.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every
10 words or less beyond, prepaid.


The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

RESULTS

OF ADVERTISING IN THIS SUPPLEMENT

LAST WEEK SEP 5 1914

NATURE OF ADVT.	REPLIES
BUSINESS WANTED	27
BUSINESS FOR DISPOSAL	15
ASSISTT UNQUAL.	14
LADY DISPENSER	14
SIT. WANTED	13
MINOR	13



This Blackboard demonstrates t Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number of nom de plume.

RETAIL.

BATH.—Messrs. Wilson & Dickinson have an immediate vacancy for a Junior unqualified Assistant (outdoors) in high-class Dispensing and Retail business. Full particulars as to experience, salary, age, etc., enclosing photo, to E. G. Dickinson, Wilson & Dickinson, Chemists, Bath.

BLACKHEATH, S.E.—Qualified Assistant for good-class Family business; must be a competent Counterman and well up in Dispensing. State age, height, salary required (outdoors), when disengaged, and recent employers, Bailey, Pharmacist, 61 Old Dover Road (Telephone 673 Lee Green).

BOLTON.—Immediately, two qualified Assistants as Branch Managers. Apply, with usual particulars, to Waller & Riley, Ltd., Chemists, Bradshawgate, Bolton.

BRIGHTON.—Unqualified Assistant, age 25-30, with good Dispensing experience; outdoors. State salary required and usual particulars to Watts & Co., Chemists, 43 Dyke Road, Brighton.

BRIGHTON.—Wanted, gentlemanly Assistant (unqualified) at earliest date (indoors) for high-class Dispensing and Retail. Apply, stating age, height, references, experience, and salary required, enclosing photo, to Read, Victoria Pharmacy, Kingsway, Hove.

BRIGHTON.—Assistant, qualified, required for Light Retail and Dispensing; easy hours; indoors. State salary and usual particulars, Smithson, 1 Preston Road, Brighton.

BRIGHTON.—For duration of war, a competent Dispensing Assistant; outdoors. Please state age, height, salary required, and enclose photo, also state where experience has been gained, J. Colley & Co., 101 Western Road, Brighton

BURTON-ON-TRENT.—Wanted immediately, Junior (outdoors) for Mixed Retail business in the Midlands; easy hours; no Sunday duty. Apply, stating age, height, salary required, enclosing photo, to Gibson, Chemist, Burton-on-Trent.

CLIFTON, Bristol.—Immediately, two qualified Assistants, one for Dispensing, the other for the Counter; indoors. State age, experience, and salary required, and enclose photo, to Giles, Schacht & Co.

DARLINGTON.—Qualified Assistant required. Apply, stating age, height, experience, and salary required (abstainer preferred), Waters, Chemist, Darlington.

EASTBOURNE.—Improver wanted for high-class Dispensing business. State salary (outdoors), with usual particulars, enclosing carte, to H. R. Browne, Pharmaceutical Chemist, Eastbourne.

GRAVESEND.—Wanted immediately, reliable Assistant; experienced Dispenser; unqualified; aged about 30; outdoors; Light Retail, General and National Insurance Dispensing. Apply, stating age, height, references, etc., to R. T. Clarke, M.P.S., 131 Milton Road, Gravesend.

GRAVESEND.—Wanted immediately, a Junior Assistant, about 21; must be quick and active. Full particulars to E. Millhouse, New Road, Gravesend.

HALE (Cheshire).—Wanted, an Assistant; good Dispensing essential. Apply, stating particulars, salary, etc., Jacklin, Chemist, Hale, Cheshire.

HARWICH.—Junior or Improver, used to Dispensing and Photographic work; would suit one just out of his apprenticeship (Senior kept). Particulars as to age, experience, salary (in- or out-doors), and latest references, enclosing photo if convenient, to Bevan, Pharmaceutical Chemist, Harwich, Essex.

HORLEY, Surrey.—Junior Assistant required, about 20, for good-class Retail and Dispensing business; easy hours. Apply, with full particulars and salary required, to A. B. Higgs, Pharmacist, Horley, Surrey.

HUDDERSFIELD, Yorks.—Elderly, qualified Assistant for N.H.I. Dispensing; permanency to suitable applicant and easy hours. 238/120, Office of this Paper.

HYTHE, Kent.—Assistant wanted soon, about 24 years; good-class Retail, Dispensing, and Photographic; outdoors; easy hours; no Sunday duty. State full particulars and when disengaged, H. Barnett, Chemist, Hythe, Kent.

LEEDS.—Wanted, qualified Chemist for working-class neighbourhoods, Leeds. Apply, stating age and salary, to 236/27, Office of this Paper.

LONDON.—Elderly, qualified Assistant required for a comfortable and permanent berth. State age, when at liberty, and salary required, 238/12, Office of this Paper.

LONDON, N.W.—Wanted, an unqualified, experienced Assistant, about 23 years of age. Apply, giving usual particulars and salary required, to Messrs. W. H. Bell & Co., 96 Albany Street, Regent's Park, N.W.

LONDON, S.W.—Junior Assistant; outdoors; Dispensing experience desirable. W. K. Somerton, Pharmacist, 357 Battersea Park Road, S.W.

LONDON, S.W.—Junior Assistant wanted, unqualified, age about 21; knowledge of Photography; outdoors. Full particulars, with photo, to Summers, Pharmacist, Streatham Common, S.W.

LONDON, S.W.—Junior Assistant required, of good appearance and address; previous experience in Dispensing business essential. Apply, giving particulars, to E. W. Hill, 240 Earl's Court Road, S.W.

LONDON, S.W.—Wanted, a qualified Assistant for good-class Dispensing business. Apply, giving usual particulars, to Topholme & Son, 1 Coleherne Terrace, Earl's Court.

LONDON, S.W.—Wanted at once, Junior Assistant; indoors. Apply, personally or by letter, John Selley, 202 Earl's Court Road.

LONDON, S.W.—Required, Dispenser, Minor qualification; salary to commence 50s. per week; age about 25; hours of work 8.45 a.m. to 6.30 p.m. approximately; no Sunday duty; 14 days' annual vacation. Write, stating full particulars, 758, Sell's Advertising Offices, Fleet Street, London, E.C.

LONDON, S.W.—Required, an Assistant for the front Counter of a large West-End establishment; age about 25; must be tall and of good appearance and address. Write, stating full particulars, 757, Sell's Advertising Offices, Fleet Street, London, E.C.

LONDON, W.—Wanted at once, qualified Assistant (outdoors) for Dispensing Counter. Apply, stating age, height, salary required, with full details of previous experience, to W. Martindale, 10 New Cavendish Street, London, W.

MANCHESTER.—Unqualified Assistant required; age over 25; must be good Counterman and accustomed to high-class business; no Sunday duty. State in full experience, age, and salary expected (outdoors), 83/59, Office of this Paper.

MANCHESTER.—Wanted, Junior for good-class Retail and Dispensing business. Full particulars of age, experience, and salary required to J. S. Breese, Pharmaceutical Chemist, Rusholme, Manchester.

MARGATE.—Qualified Branch Manager for permanency, competent and trustworthy, about 30, for good-class Retail and Dispensing business. Full particulars of last two engagements, age, height, and photo if possible, state salary with unfurnished rooms on premises, W. M. Rosser, Baily & Co., 2 Ethelbert Terrace, Margate.

NEAR Manchester.—Qualified Assistant required; Part-time; must have excellent references. Apply to 235/15, Office of this Paper.

NEAR Newport.—Wanted, a young Junior for very light berth; would suit one studying; very little work to do; hours easy; no Sunday duty; outdoors; salary must be moderate. Morgan, 102 High Street, Abersychan, Mon.

OXFORD.—Wanted, a competent Assistant, used to high-class Retail and Dispensing. Apply, with full particulars of qualifications, age, height, and salary required (outdoors), Cousins, Thomas & Sons, Magdalen Street, Oxford.

PADDINGTON BOARD OF GUARDIANS.—Assistant Dispenser.—The Guardians invite applications from qualified women Pharmacists for the appointment of Assistant Dispenser at the Paddington Infirmary and Outdoor Dispensary; salary £90 per annum, rising by annual increments of £5 to a maximum of £100 per annum; hours 9.30 a.m. to 6 p.m., Saturdays 2 p.m., and about two hours' duty alternate Sundays; the conditions of the appointment are set out on the form of application, which will be sent by the undersigned upon receipt of a stamped addressed foolscap envelope, and which must be returned, duly filled up, by 10 a.m. on Tuesday, September 22, 1914. By order, P. Biddulph Hancock, Clerk to the Guardians. Guardians' Offices, 313-319 Harrow Road, W., September 4, 1914.

ST. GEORGE'S HOSPITAL, S.W.—Assistant Dispenser (male) required for September 28, age not over 35; Minor qualification essential; salary £110 per annum, progressive; hours 9 to 5; Sunday duty two hours every third Sunday. Applications, with copies of three recent testimonials, to be sent to the Chief Dispenser.

ST. LEONARDS-ON-SEA.—Junior (outdoors) for Dispensing and General Retail business. State age and salary required, Neve & Co., Pharmaceutical Chemists, Silverhill, St. Leonards.

SOUTH COAST.—Conscientious, gentlemanly Assistant (abstainer) required for a good-class Dispensing and Light Retail business; moderate hours; time off for recreation; Sunday duty very slight; comfortable home; references must be first class. Enclose photo, give particulars of experience, and state age, height, and salary required, 238/18, Office of this Paper.

TUNBRIDGE WELLS.—Junior required for Mixed Retail and Dispensing business. Apply, with full particulars, age, height, experience, and salary, to W. A. Phillips, 125 Camden Road, Tunbridge Wells.

WESTON-SUPER-MARE.—Wanted, Assistant for good-class Dispensing and Retail business. Please state full particulars and reference, Blackmore, Weston-super-Mare.

WIMBLEDON.—Junior or Improver wanted immediately. A. P. & F. H. Ledsham, 67 Ridgeway, Wimbledon.

WOLVERHAMPTON AND STAFFORDSHIRE GENERAL HOSPITAL.—Wanted, male Assistant Dispenser; Minor qualification; salary £100 per annum, luncheon provided; hours 9 a.m. to 5 p.m. Applications, with recent testimonials and full particulars, to W. H. Harper, House Governor and Secretary, General Hospital, Wolverhampton.

WORTHING.—Assistant, aged 24-28, unqualified, with good Dispensing experience; outdoors; last week in September; state salary, photo if possible, all particulars in first letter; Lady Dispenser, Minor qualification, entertained. H. Reynolds, Chemist, West Worthing.

A SMART, active Improver and Dispenser wanted about October 1 for Light Retail Pharmacy. State age, experience, and salary required, to Jepson, Chemist, Darwen.

A SMART Junior required; outdoors; must be a quick Dispenser. State age, height, and salary required, Evans & Lewis, Chemists, Newport, Mon.

BODY'S Pharmacies, Chemists and Ophthalmic Opticians, have a vacancy for a smart Junior, about 20; must be accustomed to good-class Retail and Dispensing; Optical knowledge not essential. State full particulars in first letter, salary required (indoors, private room), enclosing photo, to Body, 1 Britannia Road, Westcliff-on-Sea.

BRANCH Manager; capable Counterman; accustomed to good-class Retail and Dispensing, with Photographs. State previous experience, age, height, whether married or single, and salary required, to D. T. Evans, Farningham Lodge, Margate.

DISPENSER (male) and Bookkeeper wanted by London Doctor; 50s. per week and free rooms provided at surgery; duties of 7½ hours per day. Apply, by letter, stating age, experience, if married number in family, 236/35, Office of this Paper.

DISPENSERS.—A number of women Dispensers are required temporarily in connection with the pricing and examination of Chemicals' Prescriptions. Applications, on foolscap paper, in applicants' own handwriting, should state qualifications, experience, and age, and be accompanied by copies of not more than three testimonials, and forwarded addressed, 259/52, Office of this Paper.

EXCEPTIONAL opportunity for suitable young man with small capital (£150 or £200) to acquire interest, with view to possession, in old-established business; profits between £300 and £500 per annum. Apply, "Cymro" (76/2), Office of this Paper.

EXPERIENCED Junior, able to Dispense; abstainer; indoors; temporary. Rossiter, Chemist, Tiverton, Devon.

IMMEDIATELY.—Junior Assistant (indoors), accustomed to good-class Dispensing business; abstainer preferred. Please state usual particulars, salary required, and when disengaged, enclose photo (to be returned) if convenient, Dunkley & Rogers, 14, Street, Tunbridge Wells.

SENIOR (unqualified) required at once in good-class Retail and Dispensing business, where three are kept. Reply, with usual particulars, and enclose photo, Procter, 5 Station Parade, Bourne.

SENIOR Assistant (outdoors) for good-class Dispensing and Photographic business. Apply to A. Goldthorpe, M.P.S., 70 Albert Road, Plumstead.

SENIOR Assistant wanted; unqualified; outdoors; Dispensing and Counter experience; situation Light Retail; hours short; Sunday duty; Wednesday half-day. Write, stating age, height, experience, and salary required, to J. W. Hoyle, Southborough, Kent.

SENIOR wanted (outdoors) for high-class Dispensing and Retail business. State age, height, and salary required, etc., to R. Curtis, Phar. Chemist, 94 Sandgate Road, Folkestone.

MANAGER at once for Branch business; Prescribing and Specialities; give full particulars and salary required. Address, "X. Y. Z." (235/31), Office of this Paper.

MANAGER, qualified, wanted at once for City; none but good Salesmen need apply; good salary to the right man, with a share of profits at the end of each year. 235/37, Office of this Paper.

QUALIFIED man for evenings, 6 to 9, Saturdays 2 to 10. Write or call, Evans, Chemist, Waltham Cross, N.

QUALIFIED Manager wanted for good-class Retail and Dispensing business. State age, references, salary required, and photo possible, Barkers, Dispensing Chemists, Grimsby.

QUALIFIED Assistant Manager, age about 25, for London quick Cash business; good Window-dresser desirable; also fully qualified man. In reply please state age, experience, references, salary, and if possible enclose photo (which will be returned), to 236/39, Office of this Paper.

QUALIFIED Manager (South Wales mining district) of sober and industrious habits; moderate hours; close 1 p.m. Thursday; outdoors. Apply, stating age, salary required, and the usual particulars, to 238/2, Office of this Paper.

QUALIFIED Assistant, age about 22-25, for high-class Retail Pharmacy in West London. Apply, fully stating age, experience, and salary required, to Box 1107, Messrs. S. Maw, Son & Sons, 7-12 Aldersgate Street, E.C.

REQUIRED shortly, outdoor Assistant; abstainer; easy hours; must be able to produce satisfactory references; Welsh preferred but not essential. Apply, with full particulars, to Hopkins, Pharmacist, Pontycymmer.

WANTED at once, Junior Assistant or Improver for good-class country business. Bellamy, Louth, Lincs.

WANTED, a young man to make himself generally useful in Dispensary; one with previous experience of Drug trade preferred. Apply, stating wages required, to "Pharmacist," Westminster Hospital, Hammersmith, W.

WANTED, immediately, an Assistant, 23 or 24, unqualified; good references essential. Davies, 485 King's Road, West London.

WANTED, qualified Manager for Country Druggist's business; widower or bachelor between 48 to 60 years; comfortable home, live with family; duties light; easy hours; must be strictly temperate. Send particulars, references, etc., C. Thurston, Newent, Gloucestershire.

WANTED at once, Assistant, about 20 to 22; Dispensing and Light Family Retail; must be a good Counterman and experienced Dispenser. Full particulars, salary required, etc., with photo, to Hawley & Son, 303 Aigburth Road, Liverpool.

WANTED, Assistant, about 22, with Dispensing experience. Please state age, height, and salary required, Read & Orchard, 47 Market Place, Salisbury.

WANTED at once, Junior Assistant; outdoors; good-class Country Retail. Full particulars, with photo if possible, to Benjamin, Pharmacist, Ross-on-Wye.

WHOLESALE.

FEAR EAST.—Representative required; intimate acquaintance Druggists' Sundries, Buyers; commission basis. Full particulars to "F. J. R. B." (85/23), Office of this Paper.

ADVERTISING Department.—Good writer, young, with all-round knowledge of Chemistry, Pharmacy, Materia Medica, and Therapeutics, required by firm of Manufacturing Chemists to follow the present employee in this section, who is going abroad for U.S. State experience and salary expected, 84/5, Office of this Paper.

BURGOYNE, BURBIDGES & CO., High Street South, East Ham, require several Counter hands, Packers, and Porters. Apply, personally or by letter, stating age, experience, and wages required.

CHEMIST, Manufacturing and Analytical, wanted by Limited Company, Midlands; remunerative permanent appointment offered suitable party; investment security required. Apply, with credentials, 339E, 34 Union Street, Birmingham.

CHEMIST required, who has had considerable experience in ascertaining Moisture, Organic and Inorganic matter, in connection with Tobacco in all forms of manufacture. Reply by letter, "Laboratory," Ardath Tobacco Co., Ltd., Worship Street, E.C.

CHIEF Clerk required in the office of a Wholesale Druggist. Full particulars to "Malt" (82/65), Office of this Paper.

COMPETENT, young, all-round Assistant required at once for Laboratory; war vacancy. Apply, Davies, Sons & Co., Manufacturing Chemists, Bridge Street, Derby.

SURGICAL Instruments.—Shop Salesman wanted for the North of England; young man with good knowledge of the trade would find this an excellent opportunity. State particulars of experience, age, and salary required, 233/51, Office of this Paper.

TRAVELLERS or Agents wanted to sell Honey in jars or bulk, on commission, to Chemists, etc.; must have a long-established connection and be able to secure monthly sales of at least £30. Write, stating references and full particulars, to The Western Honey Co., 1, Mallow Street, London, E.C.

WANTED, capable man or Chemist with experience to take charge of plant for the manufacture of Chlorides; small works in North of England; preference given to one who could profitably produce any good-selling Chemical or Drug Speciality lately imported from Germany, and for which only a nominal outlay in plant would be required. Write all particulars, in confidence, with remuneration required, to "A. B." (238/6), Office of this Paper.

WELL-CONNECTED Representative, calling on Wholesale houses and Stores in the provinces, required, to carry an old-established and remunerative side-line of British manufacture; the present time most opportune for securing a large foreign trade. Apply, 84/7, Office of this Paper.

WORKS Chemist wanted, young, but with experience in both Organic and Inorganic work; examination qualification not necessary. State full details of experience, age, and salary desired, "X. Y. Z." (83/62), Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; **6d.** for every 10 words or less beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

RHODESIA, South Africa.—Qualified Assistant required, end of October, age 21 to 30; passage paid; good salary; three years' agreement; applicants must be thoroughly steady and accustomed to good-class business. For further particulars apply to G. Drakes, Merton Grange, Swinderby, Lincoln.

SITUATIONS WANTED.

rs. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

[HOME.] RETAIL.

A.A.A.—Manchester District. — Qualified Chemist, with 20 years' experience of Dispensing, Prescribing, and Mixed business; good Salesman and used to control of several branches. Manager, 85 Moss Lane West, Manchester.

A SMART, unqualified man, age 31; tall, seeks berth as Manager or Assistant; good Salesman and Window-dresser; first-class references; London or the North preferred. "Cinehona," Cottenham, Cambridge.

A DVERTISER, qualified (40), desires position as Manager or Superintendent; thoroughly conversant with modern Store methods, including Manufacturing and Packing Specialities; experienced organiser; used to handling large staff; short notice. Full particulars, 237/26, Office of this Paper.

A DVERTISER, middle-aged, seeks Part-time, putting up Stock or Dispensing; low wages. "Alpha" (239/7), Office of this Paper.

A SSISTANT (23) shortly disengaged; good Dispensing and all-round experience; excellent references; Midlands preferred. Lloyd, 26 Cambridge Street, Stafford.

A SSISTANT (43); good Dispenser and Salesman, Manager experience; active; single; unqualified. "Statim," 1 Mount Street, Lockwood, Huddersfield.

A SSISTANT (22) desires engagement; wide experience Wholesale and Retail. "Yorkshire" (235/3), Office of this Paper.

A SSISTANT, unqualified (21), 6 years' experience, requires berth in South London (outdoors) October 12th. Parkin, 304 London Road, Thornton Heath.

A SSISTANT; 23; qualified; high-class Dispensing and Retail experience; free end of September. Dewi Davies, Glannant, Llandilo.

A SSISTANT; tall; 34; 14 years' good experience; married; permanency; Midlands preferred; good address, references. 238/15, Office of this Paper.

A SSISTANT, London experience, requires position in Potteries. 44 Florence Street, Newcastle.

A SSISTANT; 24; unqualified; outdoors; 7 years' high-class experience; smart appearance; good Counterman and Dispenser. "H. T. C.," 77 Marine Parade, Worthing.

A SSISTANT; permanent, Locum, or Part-time; reliable. Richards, 89 Camberwell Road, S.E.

B ELGIAN Pharmacist, speaking French but very little English, desires situation in a Pharmacy or in Wholesale house. Write A. Hoebank, 34 Parkhill Road, Hampstead, N.W.

B ELGIAN Pharmacist (refugee) desires temporary situation in English Pharmacy; speaks French but not English; best references. Write to A. Vineent, 19 Christ Church Road, Folkestone.

B RANCH Manager; Mixed, Prescribing; middle-aged; registered. 17 Whitehead Road, Aston, Birmingham.

B RANCH Manager, Senior, or Locum; competent Counterman, Dispenser, and Window-dresser. "Energetic" (237/24), Office of this Paper.

C HEMIST (41), Minor qualification and Hall experience, as Supervisor, Dispenser, or useful man; single; moderate or small salary for permanency. "Pharmacy" (237/6), Office of this Paper.

C HEMIST (Major) wants post. Full particulars, "Chemist," 1 College Road, Ripon.

C OMPETENT, unqualified Assistant; 36. "Chemists," Hermon House, Penrhyn Road, Colwyn Bay, N.W.

C OUNTERMAN (unqualified), 12 years' all-round Store experience, excellent references, disengaged; no Dispensing. Darville, 12 Ferndale Road, Stamford Hill, London, N.

D ENTAL Operator, Pharmacy; experienced; Photography. Dispensing; 39; married; unqualified; permanency. 238/28, Office of this Paper.

D ISENGAGED shortly; experienced, trustworthy Assistant; Prescriber, Extractor, Impressions; good references. "Cynro" (236/12), Office of this Paper.

D ISENGAGED; unregistered; married; Manager or otherwise; Locum or permanency; 20 years' experience; Extractor. "H. C. B.," 36 The Quadrant, Richmond, Surrey.

D ISPENSING, N.H.I.; Locum, Part-time; competent; unqualified; indentured; 44. Letters, 132 Camberwell Road.

E XPERIENCED Manager (36), temporary or permanency, unregistered, disengaged; testimonials. "Chemists," 12 Pentonville, Newport, Mon.

G ENTLEMANLY Assistant (22) desires change; 7½ years' experience in good Mixed Family Dispensing business, also N.H.I.; 3½ years present situation; good Dispenser and Counterman. 237/2, Office of this Paper.

H OSPITAL, Locum; qualified Dispenser. Irving, 66 Rowfant Road, Balham, London, S.W.

I MPROVER or Junior; good Dispensing and Counter experience; Edinburgh preferred, not essential. 234/19, Office of this Paper.

I RISH Pharmaceutical Chemist, owing to urgent family reasons, is anxious to accept situation in Ireland; present berth 13 years. Address, "Beta" (237/39), Office of this Paper.

J UNIOR Assistant; smart address; first-class Salesman, neat Dispenser; height 5 ft. 10½ in.; excellent testimonials. 237/33, Office of this Paper.

J UNIOR (22) requires situation in London, near Schools of Pharmacy; time required for study. Aleock, 60 George Street, Ryde.

J UNIOR in high-class Dispensing business; Liverpool or suburbs. Cornthwaite, "Lunbank," Lancaster.

J UNIOR (21), 5 ft. 8 in., requires another London berth; good references; in last situation two years. "T. T." (238/14), Office of this Paper.

L ADY, Chemist's Assistant, over 3 years' Wholesale and Retail experience, desires situation as Dispenser; good references. Miss Lord, 6 Bath Road, Wolverhampton.

L ADY Dispenser (Hall) requires post with Doctor, Chemist, Hospital, or Institution. "N. K.," 100 Park Hill, Clapham Park.

L ADY Dispenser (qualified) desires post with Doctor or in Institution. 235/6, Office of this Paper.

L ADY (Hall qualification) desires engagement (part time) for Dispensing only. 235/35, Office of this Paper.

L ADY, qualified, good experience, take emergency duties; whole or part time. 235/33, Office of this Paper.

L IGH permanent employment; qualified; 42; single; experienced Dispenser; terms to suit. "Useful" (237/60), Office of this Paper.

L OCUM or otherwise; all-round experience; disengaged; single. Reynolds, 82 Marlborough Road, Romford.

L OCUM; disengaged; good experience; satisfactory references. "Qualified," 38 West Brampton, Newcastle, Staffs.

L OCUM; 44; qualified; tall; no single-handed; disengaged 14th. Rogerson, Cunliffe Terrace, Bradford.

L OCUM; disengaged next fortnight; excellent references. "M.P.S.," 24 Laurel Grove, Southport.

L OCUM or Branch Manager; qualified; 35; 20 years' first-class Retail and Store experience; sober, energetic; disengaged immediately. "Statim," 29 Avondale Road, Southport.

L OCUM or permanency; 41; disengaged September 26; first-class West-End, Stores and Photographic experience. "Locum," 34 Villiers Street, Strand, W.C. Phone Gerrard 800.

L OCUM or permanency; 38; qualified; disengaged. "Chemist," 54 Bell Street, N.W.

L OCUM; qualified; 30 years' wide experience; disengaged 25th. Smith, 104 Katherine Road, East Ham, London, E.; or 117 King Street, Dukinfield, Manchester.

L OCUM; qualified; disengaged now; excellent experience and references. "Rhei," 37 Golbourne Road, W.

M ANAGER; now disengaged; fully qualified; thoroughly experienced; very active. 235/9, Office of this Paper.

M ANAGER or Senior; qualified; over 30; smart; Dispensing or Retail; any class. "L.," 10 Southampton Street, Fitzroy Square, W.

M ANAGER; qualified; 30; abstainer; good experience as Manager; reliable. "Pharmacist," Lyndhurst, Tadcaster.

M ANAGER; qualified; 30; permanency; good all-round experience; Photography; country preferred; disengaged 5 weeks. "Veritas," c/o Riley, Langdale View, Windermere.

MANAGER or Assistant; 25; tall; unqualified; 7 years' good all-round London and provincial experience; well educated; highest references. "Statim," 12 St. Mark's Road, Wolverhampton.

MANAGER; qualified; 34; married; varied London and Continental experience; successful Prescriber, Optics; disengaged. "Chemist," Glencoe, Ridgebourne, Llandrindod Wells.

MANAGER or Locum, with view to purchase; qualified; experienced; reliable; disengaged. "Pharmacist," Nymph House, Church Street, New Quay, Cardigan.

MANAGER (31), abstainer, capable, energetic, desires permanency with good prospects; high-class London, provincial, and Continental experience; knowledge Photography; undeniable references; disengaged shortly. Apply, 237/20, Office of this Paper.

MANAGER; Major qualification; good varied experience, including West End and suburban; 29; London or near preferred (studying for Optical exam.); disengaged. 237/3, Office of this Paper.

MANAGER; Pharmacist; first-class West-End and provincial experience; with or without view to succession; married. F. S. M. C." (237/5), Office of this Paper.

MANAGER; 29; experienced; Counter, Dispensing, Photography; good references; married; abstainer; disengaged 238/23, Office of this Paper.

MANAGER, qualified, disengaged shortly, will require similar position; married; 5 ft. 10 in.; had experience in good-class businesses; successful Prescriber and Salesman; good all-round, energetic man, and reliable; preference large town. "Poudre" 239/14, Office of this Paper.

MANAGER or Senior; City or West End; 31; good Dispensing and Counter experience; reliable; best references. "Senex," 3 St. Peter's Square, Hammersmith.

MANAGER (Hall) Drug Stores or Senior; 49; active, energetic; single; abstainer; good Dispensing and Counter experience; disengaged. "Statim," 16 Nelson Street, Greenwich.

MANAGER or Senior; varied experience; reliable. "Chemist," 5 Fielding Road, West Kensington.

MIDDLE-AGED Pharmacist desires permanency or Locum; disengaged. "Chemist," Midland Hotel, Bournemouth.

MINOR man; 41; single; accurate Dispenser; whole or part time; moderate terms. "Hall" (237/06), Office of this Paper.

ONE day a week, Tuesday or Wednesday; highest references; distance immaterial. 239/12, Office of this Paper.

PART-TIME, London, in a month's time; unqualified; 30; good Dispenser, Photography, Counter; accustomed to taking entire charge. 234/10, Office of this Paper.

PART-TIME.—Young qualified man, with best all-round experience, desires evening work; each evening free from 5.30. Pharmacist," 5 Finborough Road, South Kensington.

PHARMACIST (29), married, desires Managership or responsible position; capable, conscientious, and trustworthy; exemplary references; permanency preferred. "Desirous," 76 St. Andrew's Road, Portslade-by-Sea, Brighton.

PHARMACIST (39), experienced, reliable, disposing of business, desires engagement as Locum, Assistant, temporary Manager, or permanency in country business where gradual succession can be arranged; South-West. 238/190, Office of this Paper.

PHOTOGRAPHIC expert; 33; good knowledge Drug trade; at present Manager and Buyer large Store; capable organiser; first-class references; distance no object. "R. M.," 237 Portland Street, Southport, Lancs.

POSITION wanted; Bournemouth district (outdoors); married; age 46; good appearance; unqualified; Counter Salesman; understands Soda Fountains. W. Rosdene, Glenair Avenue, Bournemouth, Dorset.

QUALIFIED; Locum; elderly; disengaged. J. Green, 23 Victoria Road, Edmonton.

QUALIFIED Lady Dispenser desires post immediately; large Hospital experience; Institution, Chemist, or Doctor; London. "Beta," 26 Wellington Road, Edgbaston, Birmingham.

QUALIFIED; 37; Manager or responsible position; outdoors. "Chemist," 94 Pittshanger Lane, Ealing.

QUALIFIED; varied experience; undeniable references; Dispensing, Photography; Midlands preferred. Towle, Legburne, Louth.

QUALIFIED (27) desires situation; Lancashire or Cheshire preferred. Williams, 35 Alresford Road, The Heights, Manchester.

QUALIFIED; 28; wide experience, West End, Store and country; quick, accurate Dispenser; excellent references; short hours preferred. Wilson, c/o Gostling, Diss, Norfolk.

QUALIFIED, single, 31, requires Managership with good prospects; splendid London and Provincial experience; undeniable references; thorough attention given to business; first good offer accepted; free September 23. "Sanatogen," 192 Uxbridge Road, Shepherd's Bush.

QUALIFIED; disengaged; Locum or permanent; excellent references. Howarth, 4 Cecil Street, Manchester S.

QUALIFIED; 29; married; tall; abstainer; reliable; good Salesman and Dispenser; Photography and Optics; excellent references; disengaged. "K.," 43 Grafton Road, Acton, W.

QUALIFIED; 34; over 10 years' West-End experience, Dispensing and Counter; Senior or Manager; good appearance. 238/8, Office of this Paper.

QUALIFIED, elderly, single; experienced; good-class business; moderate salary; reasonable hours; disengaged shortly. 238/32, Office of this Paper.

QUALIFIED Manager (45) desires change; permanency; Lancashire, Manchester preferred; thoroughly experienced; high-class Dispensing; modern Cash business; Photography; first-class references. "Business" (237/25), Office of this Paper.

QUALIFIED (25), excellent experience and references, wishes permanency. 237/7, Office of this Paper.

RELIEF Dispenser.—Wanted, post, two or three hours nightly; attending Bloomsbury Square for Minor; London experience; commencing October 1. Apply, "Salicine" (235/24), Office of this Paper.

SUPERVISOR or Part-time Assistant under principal in Light Retail business; elderly qualified man. Apply, "H. P.," 15 Shrewsbury Road, Forest Gate, E.

TEMPORARY or Part-time; London; 38; unqualified; experienced. "S. E." (239/6), Office of this Paper.

UNQUALIFIED (26), with English and Continental experience; good Dispenser, Salesman, Stockkeeper, and knowledge of Photographics; highest references "M. L." (235/34), Office of this Paper.

UNQUALIFIED; 24; neat, accurate Dispenser; excellent references; disengaged. Cromack, Westbourne Grove, Scarborough.

UNQUALIFIED; Manager or Assistant; 25 years' all-round experience; married; excellent testimonials; successful Prescriber, Photographics; active, reliable; permanency. Cookes, 45 Waterloo Street, Hull.

UNQUALIFIED; Counter, Dispensing, and N.H.I., Extractor; single; country and town experience. "Calcium" (237/35), Office of this Paper.

UNQUALIFIED (25), married, disengaged, good Counterman, Stockkeeper, etc., wants permanency; can Manage Drug Stores; salary 35s. Smith, 1 Vaughan Road, Loughborough, London, S.E.

UNQUALIFIED; evening work wanted; Dispensing or Surgery Attendant. "A.," 24 College Street, Chelsea.

UNQUALIFIED Junior requires situation October 1; indoors; three years' experience, Dispensing, Photography; tall, well-spoken. Kemp, 14 Burnham Road, St. Albans, Herts.

UNQUALIFIED Assistant; good Dispensing experience, Photographic; good Window-dresser; London preferred. Apply, Kirby, 25 Claremont Road, Westcliff.

UNQUALIFIED; 33; tall; first-class Dispenser and good Counterman; Photography; entire charge. P. G. Abraham, 132 George Lane, Lewisham, S.E.

YOUNG Lady (23), Hall certificate, requires post as Dispenser; Chemist preferred; experienced. Lord, Lamorna, Falmouth.

YOUNG Pharmacist (22½) requires post in high-class country or small seaside town business; easy hours; first-class experience. 234/21, Office of this Paper.

YOUNG Lady (16) requires situation; used to Prescription sorting; has Pharmaceutical Society's reference. Kersey, 52 Blenheim Road, East Ham, E.

YOUNG Lady, age 21, two years' experience, Counter and General Retail, would like situation in large Stores in London. "E. R." (239/36), Office of this Paper.

YOUTH, intelligent, tall (18), seeks vacancy to continue studies; Dispensing principally; disengaged now. Bell, 118 Catford Hill, Catford.

35/- weekly (outdoors); Manager (or responsible Assistant); accustomed entire charge; permanency; married, no family; thoroughly experienced; undeniable references; 32; abstainer; town or country. "South" (236/38), Office of this Paper.

WHOLESALE.

ABLE Representative, with gift of salesmanship and who will be content with payment on results, offers his services; long experience as a Sales Manager in famous house with widest ramifications of interest; initial remuneration not a governing factor; Minor man, but long dissociated from actual pharmacy. Reply, 238/27, Office of this Paper.

ENGLISHMAN (26) desires position as London or country Traveller, or would be willing to Represent good Manufacturing firm in London on commission basis; for some years agent for Continental firms—Surgical Instruments, Druggists' Sundries, and Rubber goods; good connection Wholesale and Shipping; capable and energetic. 239/40, Office of this Paper.

MANAGERESS.—English Lady, 6 years' experience in German Chemical Works, also 3 years in English firm, requires similar situation. 236/20, Office of this Paper.

PHARMACEUTICAL Chemist, with long and exceptional practical Laboratory experience, is prepared to give manufacturers expert advice regarding the economical production of all classes of Pharmaceutical Preparations; correspondence invited. Write in first instance, "Gingerene" (239/28), Office of this Paper.

PHARMACIST desires appointment with Manufacturing firm (London preferred) in Technical or Analytical Laboratory; good Managing experience. "Nox," c/o Randall, Pharmacy, Swanage.

QUALIFIED (22) seeks position in Wholesale house or Laboratory; thorough and practical; interview would be welcomed. Daysh, 113 Darenth Road, Stamford Hill, N.

REPRESENTATIVE (London and cities), with large, good-class connection, desires re-engagement owing to present crisis; very successful in pioneering and organising; capable of sole responsibility of outside work. Address, 236/22, Office of this Paper.

SMART young man (21) desires position in Wholesale house, Wets or Dries; Leeds district preferred; passed Prelim.; excellent Institution experience and references. 235/4, Office of this Paper.

TRAVELLER seeks engagement; 20 years' connection, South, West, East Coast grounds with leading Chemists. 233/32, Office of this Paper.

SITUATIONS WANTED.

(Colonial, Indian and Foreign.)

1s. for 12 words or less; 6d. for every 10 words beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependence, or elsewhere abroad.

AUSTRALIA.—Qualified, experienced Chemist (Irish exam.) open for engagement; first-class experience selling business; Protestant; excellent Counterman, expert Extractor; age 32 years; married; Scotchman; not afraid of work. State salary offered to "M. P. S. I." (232/17), Office of this Paper.

MISCELLANEOUS.

MOADAM & TUCKNISS, Sharedealers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone 81 Leo Green. Shares for Sale (free of commission, subject).—215 Lewis & Burrows 6 per cent. Preference, 12s.; 100 J. Knight Ordinary, 26s.; 200 Peek, Frean Preference, 20s. 3d.; 45 Lewis & Burrows' Ordinary, bid wanted.

Wanted (subject).—120 Wright Layman Preference, 20s. 9d.; 45 Bryant & May, 47s.; 400 Schwepkes' Deferred, 9s. 7½d.

List of Shares for Sale and Wanted sent free on application. Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

SECOND-HAND Chemist's Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

SHOWCASES.—TO SEASIDE PHARMACISTS.—Several all-glass Counters, Silent Salesman, and other money-making Showcases, second-hand and in excellent condition, ready for immediate despatch; genuine bargains; these cases make fresh business every time a customer calls. Write for particulars, PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C.

BIG BARGAINS IN SECOND-HAND.—12-ft. Wall Fixture, Mahoganised Drawers, Shelving, and Cornice, £11 10s.; 3-ft. Bent-front Counter Case, 35s.; 12-ft. range Mahoganised Drug Drawers, £6; 6-ft. Silent Salesman for floor, £7 10s.; 3-ft. ditto for Counter, 25s.; set of Plate-glass Shelves, 5 ft., with Tapped Bars and Brackets, 42s.; set ditto, 3 ft., 25s.; Personal Weighing Machine, 45s.; pair Slide-pillar Dispensing Scales, 17s. 6d.; pair Counter ditto, nearly new, 21s.; 6-ft. Dispensing Screen, very good, 95s. R. TOMLINSON & SONS, Headquarters for Chemists' Fittings, Bond Street, Birmingham.

BEST cash price for all old Cameras, any make, also all old Photo goods, no matter how damaged; any kind you may have send them along; cash will be sent same day; no waiting; we buy all and return nothing. S. E. Hackett, 23 July Road, Liverpool, E.

SODA-WATER Trolley, that makes heavy work light, and on which a boy of 8 can easily convey 3 dozen syphons; will do through any doorway; dozens in use in all parts of the country; carriage paid, 37s. Sole Makers, Arthur & Co., 9 K.P., Cambridge.

PRINCE OF WALES'S FUND.

During this month every Pharmacist ordering a Window Centre may deduct 6d. for same. Also those who send for my two latest ideas, including Egg Producer, with egg record, copy for adverts. (5 altogether), &c., may deduct 2/6 for same and forward it to the above Fund themselves. See previous advertisements. NOTE.—Only one Pharmacist in a town supplied, and early application is requested. If the war has affected your business, I can help you.

BILLYARD ALLISON, PHARMACIST, RETFORD.

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number. No advertisement inserted for less than 6d.

FOR DISPOSAL.

DRUGS AND CHEMICALS.

WHAT offers?—Formaldehyde, 40-per-cent., 3 carboys; santonine, 7 lb., original parcel, guaranteed Merck. 80/30, Office of this Paper.

ONE to five cwt. glycerin, cwt. drums 100s.; pot. brom., 28 lb. 4s.; acetosalicyl. tabs., 14 lb. 7s. 6d. 236/32, Office of Paper.

SHARES.

SHARES for sale; 100 or less £1 Benger's Food ordinary; offers wanted. 238/7, Office of this Paper.

SHOP FITTINGS.

14-FT. counter, mahogany top, drawers behind; 6-ft. dispensing screen, mirror, marble slab. 236/320, Office of this Paper.

MISCELLANEOUS.

ROBERTS'S patent filling machine for flat tins and bottles; condition perfect. Vaughan, 12 Leeds Bridge, Leeds.

FIFTY gross 6 and 8 oz. graduated medicines, 8s. gross; 22 gross 4-oz. screw caps; 5 gross ditto, 2-oz.; suitable for vaseline. Offers, Beswicks, Chemists, Blackburn.

4 doz. 30-oz. syphons, Barnett's make; 2 gross spectacles and folders, a few gold filled; dissecting case, Maw's 1137, complete and in good condition; offers wanted, or good exchange. Dunn, Chemist, Rotherhithe, S.E.

WANTED.

WANTED, typewriter. State full particulars and lowest price to Kerr, Chemist, Cloncs.

WANTED, specimen "Papers" of July Apothecaries' Hall examination. 234/6, Office of this Paper.

WANTED, santonin; exchange cocaine hydroch. Fred Barlow, M.P.S., Balsall Heath, Birmingham.

CHECK tills, second-hand. State dimensions and cash terms, Eldon, 430 Mile End Road, London.

PRESENT address of Miss E. Rance, formerly of 397 Clapham Road. 318/16, Office of this Paper.

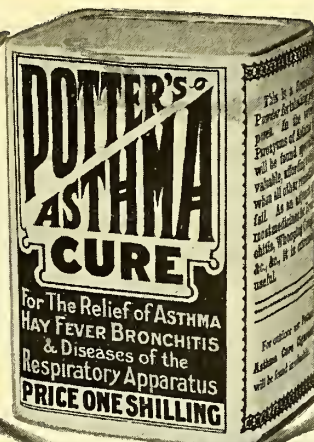
LOWEST prices wanted 20,000 lb. aspirin, 50 lb. heroin, 50 lb. heroin hydrochloride; state delivery. 236/23, Office of this Paper.

CARNAUBA wax, gum Arabic, indigo; submit sample and lowest price; small or large quantities. Cheswell, 139 Cator Street, Peckham, London.

WANTED, oil neroli, extra quality Mitcham lavender oil, pure molybdiic acid. State quantity and lowest cash price. 83/590, Office of this Paper.

OPTICAL books; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, London, S.W.

WANTED, London Latin Pharmacopoeias, 1809, 1824, 1836, 1851; White and Humphrey's "Materia Medica Pharmacopodia" (12s. 6d.), second-hand, Reid, Boscombe Pharmacy, Bournemouth.



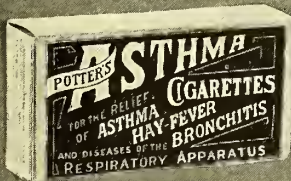
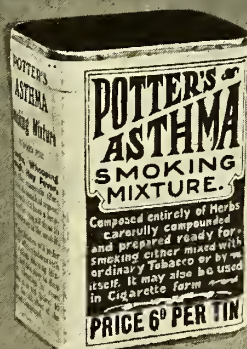
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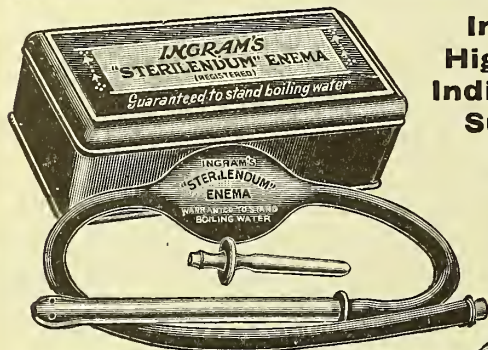
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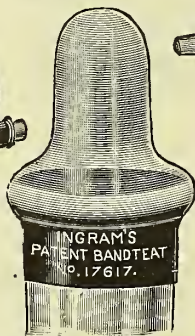


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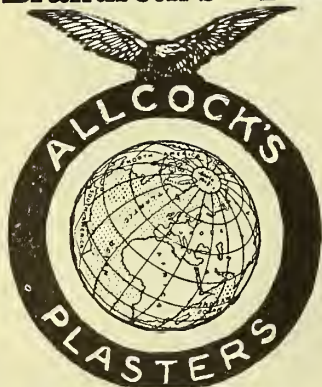
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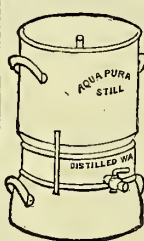


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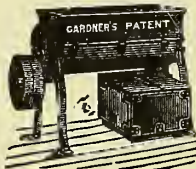
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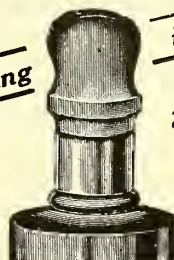
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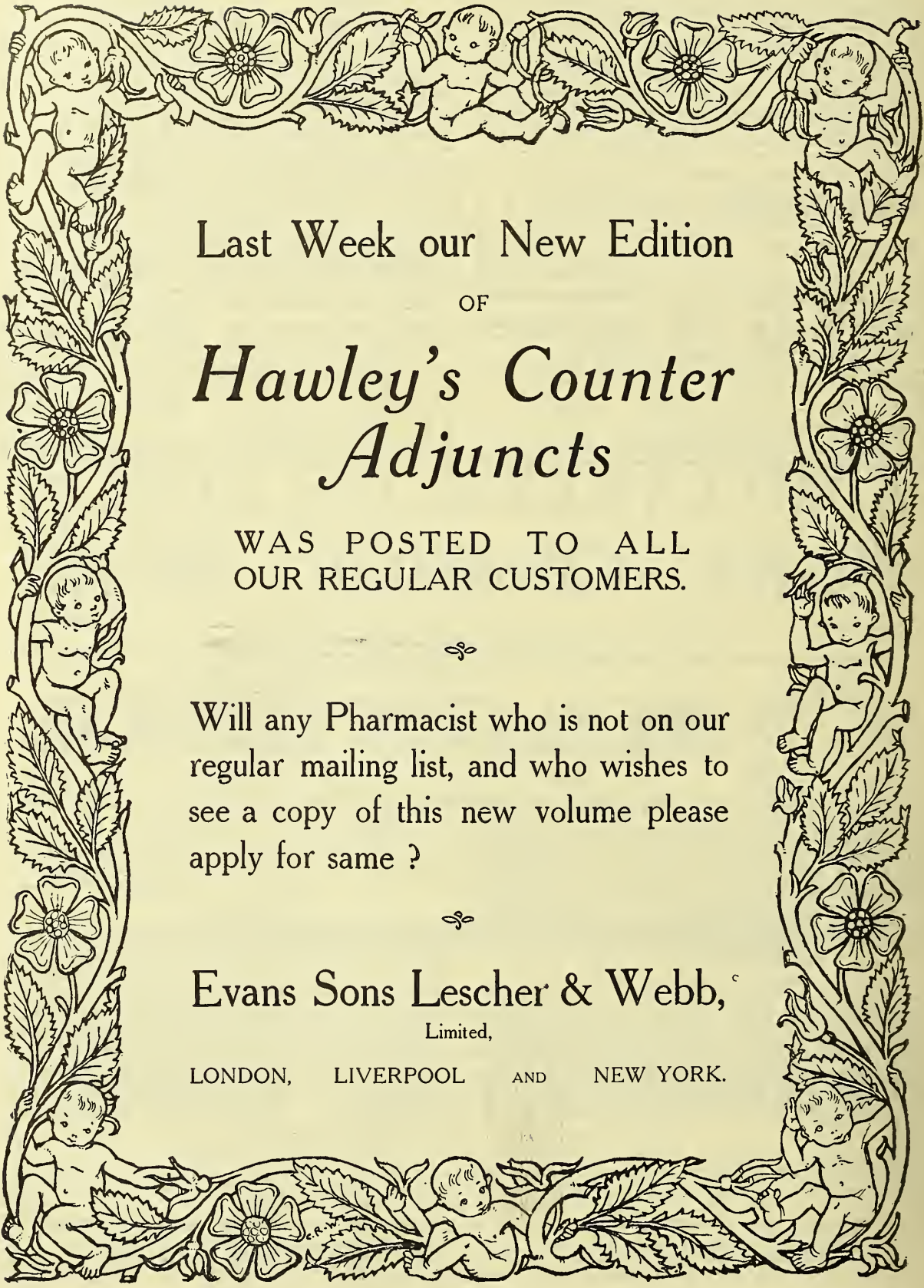
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